

21 December, 2016

Please note that our Uses map is under revision for two main reasons.

First, as a result of our Uses questionnaire where each registrant was requested to provide annual tonnage by use, it appeared that for quite a number of currently listed uses no registrant report any tonnage. We intend therefore to remove these uses.

Secondly, we have decided to advise against professional and consumer solvent uses for several Petroleum Substance categories. For further explanations, see the article on this subject in the [December 2015 SIEF Newsletter](#). These uses are listed in the table below. The 'X' denotes that, as a result of the Uses survey, the considered use for the substances in the category has been reported at least once:

USES to BECOME ADVISED AGAINST	Concerned categories		
	Naphthas	Kerosines	SRGO
Use in cleaning agent [Professional and Consumer]	X	X	X
Use in coatings [Professional and Consumer]	X	X	X
Use in agrochemicals [Professional and Consumer]		X	
Use in release agents and binders [Professional and Consumer]		X	X
Use as Lubricants [Professional and Consumer]		X	X
Use in metal working fluids/rolling oil [Professional]		X	X
Explosive manufacture and use [Professional]		X	
Use as functional fluid [Professional]			X
Use in road and construction application [Professional]			X
Other consumer use			X

An updated Uses map is now available for authorized users in SIEF.space. It contains very important information related to the Revision of Uses that Concaawe will undertake in the Update of Petroleum Substances Dossiers scheduled for early April 2017.

Please carefully read this [Revision of Uses - Read me first document](#) and review [the accompanying Excel file](#).

If necessary, please provide your feedback on this revision to the following email address info@super-sief.eu latest by **15 January 2017 c.o.b.**

Please do not hesitate to contact the SIEF team at the following email address info@super-sief.eu should you have any queries.

Identified Uses of Petroleum Substances

Version 5.0, 2/04/2013

Changes in Version 5.0:

Slight modifications to Use Descriptors were made to address omissions from the 2010 Registrations. These modifications included:

- additional PROC codes
- removal of redundant PC codes including PC6 (covered by PC31), PC22 (covered by PC12)
- addition of PC8 Biocidal Products (excipient only) to Cleaning Agents and/or Coatings consumer use titles for Kerosines, Highly Refined Base Oils, Other Lubricating Base Oil, Foots Oils. For this latter point, please note that these also apply to Biocidal Products (excipient only) for agrochemicals uses
- addition of an explanation supporting the Use Descriptor mapping for Petroleum Substances classified as carcinogenic.

1. Important notes

1.1. CONCAWE definitions for purposes of this communication:

- “Use” means a use as defined in Art. 3(24) of the REACH Regulation
- “Identified Use” means a use as defined in Art. 3(26) of the REACH Regulation
- “Supported Use” means a use for which the risk assessment demonstrates that any risk to human health or the environment is controlled with the implementation of appropriate risk management measures.
- “Petroleum Substances” are the substances listed on the CONCAWE Internet website:
<http://www.concawe.org/docsharenoframe/Common/GetFile.asp?DOCID=23966&logonname=guestC&mfd=off>
- “Categories of Petroleum Substances” are listed below. Grouping the substances into categories allows read across of intrinsic (hazard) properties between the substances within a category. “Notes” allow for differentiation of hazard properties within a category.
 1. Low Boiling Point Naphthas (Gasolines)
 2. Kerosines
 3. Straight-run Gas Oils
 4. Vacuum Gas Oils, Hydrocracked Gas Oils & Distillate Fuels
 5. Cracked Gas Oils
 6. Other Gas Oils
 7. Heavy Fuel Oil Components
 8. Highly Refined Base Oils
 9. Unrefined / Acid Treated Oils
 10. Other Lubricant Base Oils

11. Fuels Oils
12. Paraffin and Hydrocarbon Waxes
13. Slack Wax
14. Petrolatum
15. Untreated Distillate Aromatic Extracts
16. Treated Distillate Aromatic Extracts
17. Residual Aromatic Extracts
18. Bitumen

Identified uses for single substances, e.g. MK1 Diesel Fuel, Sulfur and Oxidized Asphalt, have also been listed. Because of the extensive overlap between gases from refinery operation and gases from steamcrackers and/or aromatics production units, CONCAWE has agreed to collaborate with the Lower Olefins/Aromatics consortium (LOA). The common parts of the registration dossiers for categories of petroleum gases (Petroleum Gases and Other Petroleum Gases) were prepared by LOA, though the uses are posted here for completeness. Petroleum coke is considered exempt from Registration in accordance with Annex V of the REACH Regulation.

1.2. Identified Uses

Under REACH, Downstream Users had the right to make their Use(s) (the Identified Uses) known to their direct suppliers. For substances registered under REACH in 2010 (including all the Petroleum Substances) there was no obligation for registrants to take into consideration any Use communication received from Downstream Users after 30 November 2009, so this date became the "de facto" cut-off date for Downstream Users to make their Uses known to their suppliers. Registration dossiers will be updated from time to time to take account of new information. Where new uses have been identified in the meantime, these may be taken into account in the update.

Uses made known prior to 30 November 2009 were reviewed to assess the risks associated with those Uses. If the outcome of this review resulted in a determination that an Identified Use was associated with an unacceptable risk, it would have been flagged as a "Use Advised Against" as part of the Registration Dossiers prepared by CONCAWE. As of the time of this communication, all Identified Uses in the use map were Supported, though it cannot be guaranteed that this will be the case in future updates (e.g. based on new ECHA Guidance) and assessments. Any of the Supported Uses may be included by registrants in their relevant substance Registration Dossier. CONCAWE had prepared an initial map of Identified Uses based on input provided by its member companies. The mapping was done by grouping applications into generic exposure scenario (GES) titles and noting associated Uses according to the Use Descriptor System supported by ECHA. These Use Descriptors are designed to describe how products are used in the supply chain. More information on Use Descriptors can be found on the ECHA website¹.

The list below shows the Identified Uses for categories of Petroleum Substances and MK1 Diesel Fuel, Sulfur and Oxidized Asphalt.

Registrants are obliged to include a brief general description of all Identified Uses in their Technical Dossier and in the Chemical Safety Reports (CSR). Additionally, for substances which required an exposure assessment, CONCAWE developed, assessed and communicated to registrants the required exposure scenarios.

¹ Please note that the Use Descriptor System guidance is available at: http://guidance.echa.europa.eu/docs/guidance_document/information_requirements_r12_en.pdf?vers=20_08_0.

In the unlikely event that a use is not covered by the jointly submitted CSR, registrants are free to add uses. However, for classified products, they would have to create exposure scenarios and to carry out their own risk characterisation, and to include this information as an attachment to their own individual registration dossier.

1.3. Notes on the list

1. As at the time of this communication, it is anticipated that all Uses listed in the use map are Supported as per the noted Use Descriptor map; though, it cannot be guaranteed that future assessments based on new data, new ECHA Guidance, etc., will be identical to that performed for the first registration phase of REACH (2010).
2. If you suspect that a Use which has been identified and was made known to you is missing from the list please take into account that **a different description of a Use does not necessarily make it a different Identified Use.**
3. If you cannot find on the list below the Use where your substance is applied as a solvent it is likely, and in most cases even certain, that your substance is not a refinery stream but a specific cut, for example a hydrocarbon solvent. In this case you should:
 - inform us (info@super-sief.eu) so that we can remove you from the SIEF and
 - contact the Hydrocarbon Solvents Consortium (HCSC) (ian.carruthers@reachcentrum.eu) to join the appropriate SIEF.
4. For the Petroleum Substances classified as carcinogenic (R45, Cat1A/1B) a reduced list of PROC Codes has been selected to focus on those involving closed systems or dedicated facilities only. Thus the list is not as extensive as that for similar Use Titles for the non-carcinogenic substances. In addition, Consumer uses are not supported except for "Use as a Fuel", under the Marketing and Use Directive.

2. List of Identified Uses and Mapping against Generic Exposure Scenario Titles and the Use Descriptor System

2.1. Acronyms used in the list of Identified Uses

ERC	Environmental release category
GES	generic exposure scenario
IBC	intermediate bulk container
PC	chemical product category
PROC	process category
SU	sectors of use
UD	use descriptor

2.2. List of Identified Uses

Please see separate document.

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Low Boiling Point Naphthas (Gasolines)

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Low boiling point naphtha (Gasoline)	01 – Manufacture of Substances (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Low boiling point naphtha (Gasoline)	01 – Manufacture of Substances (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Low boiling point naphtha (Gasoline)	01 – Manufacture of Substances (classified as H340, H350 and/or H361;(containing equal to or greater than 1% to 5% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
4	Low boiling point naphtha (Gasoline)	01 – Manufacture of Substances (classified as H340, H350 and/or H361;(containing equal to or greater than 5% to 20% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
5	Low boiling point naphtha (Gasoline)	01 – Manufacture of Substances (classified as H340, H350 and/or H361;(containing equal to or greater than 20% to 79% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
6	Low boiling point naphtha (Gasoline)	01b – Use of Substance as Intermediate (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
7	Low boiling point naphtha (Gasoline)	01b – Use of Substance as Intermediate (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
8	Low boiling point naphtha (Gasoline)	01b – Use of Substance as Intermediate (classified as H340, H350 and/or H361;(containing equal to or greater than 1% to 5% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
9	Low boiling point naphtha (Gasoline)	01b – Use of Substance as Intermediate (classified as H340, H350 and/or H361;(containing equal to or greater than 5% to 20% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
10	Low boiling point naphtha (Gasoline)	01b – Use of Substance as Intermediate (classified as H340, H350 and/or H361;(containing equal to or greater than 20% to 79% benzene))	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
11	Low boiling point naphtha (Gasoline)	01a – Distribution of Substance (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
12	Low boiling point naphtha (Gasoline)	01a – Distribution of Substance (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
13	Low boiling point naphtha (Gasoline)	01a – Distribution of Substance (classified as H340, H350 and/or H361;(containing equal to or greater than 1% to 5% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
14	Low boiling point naphtha (Gasoline)	01a – Distribution of Substance (classified as H340, H350 and/or H361;(containing equal to or greater than 5% to 20% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
15	Low boiling point naphtha (Gasoline)	01a – Distribution of Substance (classified as H340, H350 and/or H361;(containing equal to or greater than 20% to 79% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
16	Low boiling point naphtha (Gasoline)	02 – Formulation & (Re)packing of Substances and Mixtures (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
17	Low boiling point naphtha (Gasoline)	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
18	Low boiling point naphtha (Gasoline)	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H340, H350 and/or H361;(containing equal to or greater than 1% to 5% benzene))	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
19	Low boiling point naphtha (Gasoline)	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H340, H350 and/or H361;(containing equal to or greater than 5% to 20% benzene))	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
20	Low boiling point naphtha (Gasoline)	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H340, H350 and/or H361;(containing equal to or greater than 20% to 79% benzene))	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
21	Low boiling point naphtha (Gasoline)	03a – Uses in Coatings: Industrial (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
22	Low boiling point naphtha (Gasoline)	03a – Uses in Coatings: Industrial (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
23	Low boiling point naphtha (Gasoline)	03b – Uses in Coatings: Professional (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
24	Low boiling point naphtha (Gasoline)	04a – Use in Cleaning Agents: Industrial (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
25	Low boiling point naphtha (Gasoline)	04a – Use in Cleaning Agents: Industrial (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 4.4a.v1
26	Low boiling point naphtha (Gasoline)	04b – Use in Cleaning Agents: Professional (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
27	Low boiling point naphtha (Gasoline)	04c – Use in Cleaning Agents: Consumer (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Consumer	21	3, 4, 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
28	Low boiling point naphtha (Gasoline)	12a – Use as a Fuel: Industrial (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
29	Low boiling point naphtha (Gasoline)	12a – Use as a Fuel: Industrial (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
30	Low boiling point naphtha (Gasoline)	12b – Use as a Fuel: Professional (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
31	Low boiling point naphtha (Gasoline)	12b – Use as a Fuel: Professional (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
32	Low boiling point naphtha (Gasoline)	12c – Use as a Fuel: Consumer (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
33	Low boiling point naphtha (Gasoline)	12c – Use as a Fuel: Consumer (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
34	Low boiling point naphtha (Gasoline)	19 – Rubber Production and Processing: Industrial (NOT classified as H340, H350 or H361); (containing less than 0.1% benzene))	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
35	Low boiling point naphtha (Gasoline)	19 – Rubber Production and Processing: Industrial (classified as H340 and/or H350 and/or H361;(containing 0% to 1% benzene))	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1

Kerosines

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Kerosine	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Kerosine	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Kerosine	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Kerosine	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Kerosine	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Kerosine	03b – Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Kerosine	03c – Uses in Coatings: Consumer	Consumer	21	1, 4, 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Kerosine	04a – Use in Cleaning Agents: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
9	Kerosine	04b – Use in Cleaning Agents: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
10	Kerosine	04c – Use in Cleaning Agents: Consumer	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
11	Kerosine	06a – Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
12	Kerosine	06b – Lubricants: Professional (Low Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
13	Kerosine	06c – Lubricants: Professional (High Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
14	Kerosine	06d – Lubricants: Consumer (Low Release)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
15	Kerosine	06e – Lubricants: Consumer (High Release)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
16	Kerosine	07a – Use in Metal Working Fluids / Rolling Oils: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
17	Kerosine	07b – Use in Metal Working Fluids / Rolling Oils: Professional	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
18	Kerosine	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
19	Kerosine	10b – Use as Release Agents or Binders: Professional	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
20	Kerosine	11a – Use in Agrochemicals: Professional	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
21	Kerosine	11b – Use in Agrochemicals: Consumer	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
22	Kerosine	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
23	Kerosine	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
24	Kerosine	12c – Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
25	Kerosine	13a – Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
26	Kerosine	15 – Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
27	Kerosine	18b – Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS

Straight-run Gas Oils

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Straight Run Gas Oils	Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Straight Run Gas Oils	Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Straight Run Gas Oils	Distribution of Substance	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Straight Run Gas Oils	Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Straight Run Gas Oils	Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Straight Run Gas Oils	Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Straight Run Gas Oils	Use in Cleaning Agents: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
8	Straight Run Gas Oils	Use in Cleaning Agents: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
9	Straight Run Gas Oils	Use in Oil and Gas Field Drilling and Production Operations: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
10	Straight Run Gas Oils	Use in Oil and Gas Field Drilling and Production Operations: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
11	Straight Run Gas Oils	Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
12	Straight Run Gas Oils	Lubricants: Professional (Low Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
13	Straight Run Gas Oils	Lubricants: Professional (High Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
14	Straight Run Gas Oils	Use in Metal Working Fluids / Rolling Oils: Industrial	Industrial	3	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	4	ESVOC SpERC 4.7a.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
15	Straight Run Gas Oils	Use in Metal Working Fluids / Rolling Oils: Professional	Professional	22	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
16	Straight Run Gas Oils	Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
17	Straight Run Gas Oils	Use as Release Agents or Binders: Professional	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
18	Straight Run Gas Oils	Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
19	Straight Run Gas Oils	Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
20	Straight Run Gas Oils	Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
21	Straight Run Gas Oils	Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
22	Straight Run Gas Oils	Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
23	Straight Run Gas Oils	Use as Functional Fluids: Professional	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
24	Straight Run Gas Oils	Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
25	Straight Run Gas Oils	Rubber Production and Processing: Industrial	Industrial	3, 10	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
26	Straight Run Gas Oils	Other Consumer Uses	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1

Vacuum Gas Oils, Hydrocracked Gas Oils & Distillate Fuels

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Vacuum gas oils, hydrocracked gas oils and distillate fuels	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Vacuum gas oils, hydrocracked gas oils and distillate fuels	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Vacuum gas oils, hydrocracked gas oils and distillate fuels	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Vacuum gas oils, hydrocracked gas oils and distillate fuels	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Vacuum gas oils, hydrocracked gas oils and distillate fuels	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Vacuum gas oils, hydrocracked gas oils and distillate fuels	03b – Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Vacuum gas oils, hydrocracked gas oils and distillate fuels	05a – Use in Oil and Gas Field Drilling and Production Operations: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
8	Vacuum gas oils, hydrocracked gas oils and distillate fuels	05b – Use in Oil and Gas Field Drilling and Production Operations: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
9	Vacuum gas oils, hydrocracked gas oils and distillate fuels	06a – Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
10	Vacuum gas oils, hydrocracked gas oils and distillate fuels	06b – Lubricants: Professional (Low Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
11	Vacuum gas oils, hydrocracked gas oils and distillate fuels	06c – Lubricants: Professional (High Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
12	Vacuum gas oils, hydrocracked gas oils and distillate fuels	07a – Use in Metal Working Fluids / Rolling Oils: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
13	Vacuum gas oils, hydrocracked gas oils and distillate fuels	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
14	Vacuum gas oils, hydrocracked gas oils and distillate fuels	10b – Use as Release Agents or Binders: Professional	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
15	Vacuum gas oils, hydrocracked gas oils and distillate fuels	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
16	Vacuum gas oils, hydrocracked gas oils and distillate fuels	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
17	Vacuum gas oils, hydrocracked gas oils and distillate fuels	12c – Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
18	Vacuum gas oils, hydrocracked gas oils and distillate fuels	13a – Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
19	Vacuum gas oils, hydrocracked gas oils and distillate fuels	15 – Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
20	Vacuum gas oils, hydrocracked gas oils and distillate fuels	18b – Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
21	Vacuum gas oils, hydrocracked gas oils and distillate fuels	19 – Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1

Cracked Gas Oils

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Cracked Gas Oils	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Cracked Gas Oil	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Cracked Gas Oil	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Cracked Gas Oil	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
5	Cracked Gas Oil	06a – Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	4, 7	ESVOC SpERC 4.6a.v1
6	Cracked Gas Oil	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 8b	4	ESVOC SpERC 4.10a.v1
7	Cracked Gas Oil	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
8	Cracked Gas Oil	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1

Other Gas Oils

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Other Gas Oils	01 – Manufacture of Substances (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Other Gas Oils	01 – Manufacture of Substances (Carcinogenic or unknown feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Other Gas Oils	01b – Use of Substance as Intermediate (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
4	Other Gas Oils	01b – Use of Substance as Intermediate (Carcinogenic or unknown feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
5	Other Gas Oils	01a – Distribution of Substance (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
6	Other Gas Oils	01a – Distribution of Substance (Carcinogenic or unknown feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
7	Other Gas Oils	02 – Formulation & (Re)packing of Substances and Mixtures (Non-carcinogenic feed-stock)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
8	Other Gas Oils	02 – Formulation & (Re)packing of Substances and Mixtures (Carcinogenic or unknown feed-stock)	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
9	Other Gas Oils	03a – Uses in Coatings: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
10	Other Gas Oils	03b – Uses in Coatings: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
11	Other Gas Oils	03c – Uses in Coatings: Consumer (Non-carcinogenic feed-stock)	Consumer	21	1, 4, 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
12	Other Gas Oils	04a – Use in Cleaning Agents: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
13	Other Gas Oils	04b – Use in Cleaning Agents: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
14	Other Gas Oils	04c – Use in Cleaning Agents: Consumer (Non-carcinogenic feed-stock)	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
15	Other Gas Oils	05a – Use in Oil and Gas Field Drilling and Production Operations: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
16	Other Gas Oils	05b – Use in Oil and Gas Field Drilling and Production Operations: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
17	Other Gas Oils	06a – Lubricants: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
18	Other Gas Oils	06a – Lubricants: Industrial (Carcinogenic or unknown feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	4, 7	ESVOC SpERC 4.6a.v1
19	Other Gas Oils	06b – Lubricants: Professional (Low Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
20	Other Gas Oils	06b – Lubricants: Professional (Low Release) (Carcinogenic or unknown feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 9, 20	9a, 9b	ESVOC SpERC 9.6b.v1
21	Other Gas Oils	06c – Lubricants: Professional (High Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
22	Other Gas Oils	06c – Lubricants: Professional (High Release) (Carcinogenic or unknown feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 9, 20	8a, 8d	ESVOC SpERC 8.6c.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
23	Other Gas Oils	06d – Lubricants: Consumer (Low Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 6, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
24	Other Gas Oils	06e – Lubricants: Consumer (High Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 6, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
25	Other Gas Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
26	Other Gas Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (Carcinogenic or unknown feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 4.7a.v1
27	Other Gas Oils	07b – Use in Metal working Fluids / Rolling Oils: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
28	Other Gas Oils	10a – Use as Release Agents or Binders: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
29	Other Gas Oils	10b – Use as Release Agents or Binders: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
30	Other Gas Oils	12a – Use as a Fuel: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
31	Other Gas Oils	12a – Use as a Fuel: Industrial (Carcinogenic or unknown feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
32	Other Gas Oils	12b – Use as a Fuel: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
33	Other Gas Oils	12b – Use as a Fuel: Professional (Carcinogenic or unknown feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
34	Other Gas Oils	13a – Use as Functional Fluids: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
35	Other Gas Oils	13a – Use as Functional Fluids: Industrial (Carcinogenic or unknown feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
36	Other Gas Oils	13b – Use as Functional Fluids: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
37	Other Gas Oils	13b – Use as Functional Fluids: Professional (Carcinogenic or unknown feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
38	Other Gas Oils	13c – Use as Functional Fluids: Consumer (Non-carcinogenic feed-stock)	Consumer	21	16, 17	NA	9a, 9b	ESVOC SpERC 9.13c.v1
39	Other Gas Oils	15 – Use in Road and Construction Applications: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
40	Other Gas Oils	18b – Explosives Manufacture & Use: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
41	Other Gas Oils	19 – Rubber Production and Processing: Industrial (Non-carcinogenic feed-stock)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
42	Other Gas Oils	22a – Use in Water Treatment Chemicals: Industrial (Non-carcinogenic feed-stock)	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 13	3, 4	ESVOC SpERC 3.22a.v1

Heavy Fuel Oil Components

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Heavy Fuel Oil Components	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Heavy Fuel Oil Components	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Heavy Fuel Oil Components	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Heavy Fuel Oil Components	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
5	Heavy Fuel Oil Components	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
6	Heavy Fuel Oil Components	03b – Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 15	8a, 8d	ESVOC SpERC 8.3b.v1
7	Heavy Fuel Oil Components	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
8	Heavy Fuel Oil Components	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
9	Heavy Fuel Oil Components	15 – Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b	8d, 8f	ESVOC SpERC 8.15.v1

Highly Refined Base Oils

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Highly Refined Base Oils	01 – Manufacture of Substances (NOT classified)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Highly Refined Base Oils	01 – Manufacture of Substances (H304)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Highly Refined Base Oils	01b – Use of Substance as Intermediate (NOT classified)	Industrial	3, 8, 10	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
4	Highly Refined Base Oils	01b – Use of Substance as Intermediate (H304)	Industrial	3, 8, 10	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
5	Highly Refined Base Oils	01a – Distribution of Substance (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
6	Highly Refined Base Oils	01a – Distribution of Substance (H304)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
7	Highly Refined Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (NOT classified)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
8	Highly Refined Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (H304)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
9	Highly Refined Base Oils	03a – Uses in Coatings: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
10	Highly Refined Base Oils	03a – Uses in Coatings: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
11	Highly Refined Base Oils	03b – Uses in Coatings: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
12	Highly Refined Base Oils	03b – Uses in Coatings: Professional (H304)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
13	Highly Refined Base Oils	03c – Uses in Coatings: Consumer (NOT classified)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
14	Highly Refined Base Oils	03c – Uses in Coatings: Consumer (H304)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
15	Highly Refined Base Oils	04a – Use in Cleaning Agents: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
16	Highly Refined Base Oils	04a – Use in Cleaning Agents: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
17	Highly Refined Base Oils	04b – Use in Cleaning Agents: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
18	Highly Refined Base Oils	04b – Use in Cleaning Agents: Professional (H304)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13, 19	8a, 8d	ESVOC SpERC 8.4b.v1
19	Highly Refined Base Oils	04c – Use in Cleaning Agents: Consumer (NOT classified)	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
20	Highly Refined Base Oils	04c – Use in Cleaning Agents: Consumer (H304)	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
21	Highly Refined Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
22	Highly Refined Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
23	Highly Refined Base Oils	07b – Use in Metal Working Fluids / Rolling Oils: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
24	Highly Refined Base Oils	07b – Use in Metal Working Fluids / Rolling Oils: Professional (H304)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
25	Highly Refined Base Oils	10a – Use as Release Agents or Binders: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
26	Highly Refined Base Oils	10a – Use as Release Agents or Binders: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
27	Highly Refined Base Oils	10b – Use as Release Agents or Binders: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
28	Highly Refined Base Oils	10b – Use as Release Agents or Binders: Professional (H304)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
29	Highly Refined Base Oils	11a – Use in Agrochemicals: Professional (NOT classified)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
30	Highly Refined Base Oils	11a – Use in Agrochemicals: Professional (H304)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
31	Highly Refined Base Oils	11b – Use in Agrochemicals: Consumer (NOT classified)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
32	Highly Refined Base Oils	11b – Use in Agrochemicals: Consumer (H304)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
33	Highly Refined Base Oils	19 – Rubber Production and Processing: Industrial (NOT classified)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
34	Highly Refined Base Oils	19 – Rubber Production and Processing: Industrial (H304)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
35	Highly Refined Base Oils	21a – Use in Polymer Processing: Industrial (NOT classified)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
36	Highly Refined Base Oils	21a – Use in Polymer Processing: Industrial (H304)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
37	Highly Refined Base Oils	12c – Use as a Fuel: Consumer (NOT classified)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
38	Highly Refined Base Oils	12c – Use as a Fuel: Consumer (H304)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
39	Highly Refined Base Oils	06a – Lubricants: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
40	Highly Refined Base Oils	06a – Lubricants: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
41	Highly Refined Base Oils	06b – Lubricants: Professional (Low Release) (NOT classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
42	Highly Refined Base Oils	06b – Lubricants: Professional (Low Release) (H304)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
43	Highly Refined Base Oils	06c – Lubricants: Professional (High Release) (NOT classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
44	Highly Refined Base Oils	06c – Lubricants: Professional (High Release) (H304)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
45	Highly Refined Base Oils	06d – Lubricants: Consumer (Low Release) (NOT classified)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
46	Highly Refined Base Oils	06d – Lubricants: Consumer (Low Release) (H304)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
47	Highly Refined Base Oils	06e – Lubricants: Consumer (High Release) (NOT classified)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
48	Highly Refined Base Oils	06e – Lubricants: Consumer (High Release) (H304)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
49	Highly Refined Base Oils	17a – Use in Laboratories: Industrial (NOT classified)	Industrial	3	NA	10, 15	4	ERC DEFINED RELEASE FRACTIONS
50	Highly Refined Base Oils	17a – Use in Laboratories: Industrial (H304)	Industrial	3	NA	10, 15	4	ERC DEFINED RELEASE FRACTIONS
51	Highly Refined Base Oils	17b – Use in Laboratories: Professional (NOT classified)	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1
52	Highly Refined Base Oils	17b – Use in Laboratories: Professional (H304)	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1
53	Highly Refined Base Oils	22a – Use in Water Treatment Chemicals: Industrial (NOT classified)	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 13	4	ESVOC SpERC 3.22a.v1
54	Highly Refined Base Oils	22a – Use in Water Treatment Chemicals: Industrial (H304)	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 13	4	ESVOC SpERC 3.22a.v1
55	Highly Refined Base Oils	22b – Use in Water Treatment Chemicals: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 13	8f	ESVOC SpERC 8.22b.v1
56	Highly Refined Base Oils	22b – Use in Water Treatment Chemicals: Professional (H304)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 13	8f	ESVOC SpERC 8.22b.v1
57	Highly Refined Base Oils	18b – Explosives Manufacture & Use: Professional (NOT classified)	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
58	Highly Refined Base Oils	18b – Explosives Manufacture & Use: Professional (H304)	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
59	Highly Refined Base Oils	13a – Use as Functional Fluids: Industrial (NOT classified)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
60	Highly Refined Base Oils	13a – Use as Functional Fluids: Industrial (H304)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
61	Highly Refined Base Oils	13b – Use as Functional Fluids: Professional (NOT classified)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
62	Highly Refined Base Oils	13b – Use as Functional Fluids: Professional (H304)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
63	Highly Refined Base Oils	16 – Other Consumer Uses (NOT classified)	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1
64	Highly Refined Base Oils	16 – Other Consumer Uses (H304)	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1

Unrefined / Acid Treated Oils

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Unrefined/ Acid Treated Oils	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Unrefined/ Acid Treated Oils	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Unrefined/ Acid Treated Oils	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Unrefined/ Acid Treated Oils	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
5	Unrefined/ Acid Treated Oils	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
6	Unrefined/ Acid Treated Oils	06a – Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	4, 7	ESVOC SpERC 4.6a.v1
7	Unrefined/ Acid Treated Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 4.7a.v1
8	Unrefined/ Acid Treated Oils	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
9	Unrefined/ Acid Treated Oils	13a – Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
10	Unrefined/ Acid Treated Oils	19 – Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1
11	Unrefined/ Acid Treated Oils	21a – Use in Polymer Processing: Industrial	Industrial	10	NA	1, 2, 3, 8a, 8b, 9	4	ESVOC SpERC 4.21a.v1
12	Unrefined/ Acid Treated Oils	22a – Use in Water Treatment Chemicals: Industrial	Industrial	10	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 3.22a.v1

Other Lubricant Base Oils

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Other Lubricant Base Oils	01 – Manufacture of Substances (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Other Lubricant Base Oils	01 – Manufacture of Substances (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Other Lubricant Base Oils	01 – Manufacture of Substances (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
4	Other Lubricant Base Oils	01 – Manufacture of Substances (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
5	Other Lubricant Base Oils	01b – Use of Substance as Intermediate (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
6	Other Lubricant Base Oils	01b – Use of Substance as Intermediate (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
7	Other Lubricant Base Oils	01b – Use of Substance as Intermediate (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
8	Other Lubricant Base Oils	01b – Use of Substance as Intermediate (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
9	Other Lubricant Base Oils	01a – Distribution of Substance (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
10	Other Lubricant Base Oils	01a – Distribution of Substance (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
11	Other Lubricant Base Oils	01a – Distribution of Substance (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
12	Other Lubricant Base Oils	01a – Distribution of Substance (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
13	Other Lubricant Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
14	Other Lubricant Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
15	Other Lubricant Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
16	Other Lubricant Base Oils	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
17	Other Lubricant Base Oils	03a – Uses in Coatings: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
18	Other Lubricant Base Oils	03a – Uses in Coatings: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
19	Other Lubricant Base Oils	03a – Uses in Coatings: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
20	Other Lubricant Base Oils	03a – Uses in Coatings: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
21	Other Lubricant Base Oils	03b – Uses in Coatings: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
22	Other Lubricant Base Oils	03b – Uses in Coatings: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
23	Other Lubricant Base Oils	03c – Uses in Coatings: Consumer (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
24	Other Lubricant Base Oils	03c – Uses in Coatings: Consumer (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
25	Other Lubricant Base Oils	04a – Use in Cleaning Agents: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
26	Other Lubricant Base Oils	04a – Use in Cleaning Agents: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 10, 13	4	ESVOC SpERC 4.4a.v1
27	Other Lubricant Base Oils	04b – Use in Cleaning Agents: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13	8a, 8d	ESVOC SpERC 8.4b.v1
28	Other Lubricant Base Oils	04b – Use in Cleaning Agents: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 10, 11, 13, 19	8a, 8d	ESVOC SpERC 8.4b.v1
29	Other Lubricant Base Oils	04c – Use in Cleaning Agents: Consumer (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
30	Other Lubricant Base Oils	04c – Use in Cleaning Agents: Consumer (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	3, 4, 8 (Excipient only), 9a, 24, 35, 38	NA	8a, 8d	ESVOC SpERC 8.4c.v1
31	Other Lubricant Base Oils	05a – Use in Oil and Gas Field Drilling and Production Operations: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
32	Other Lubricant Base Oils	05a – Use in Oil and Gas Field Drilling and Production Operations: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
33	Other Lubricant Base Oils	05b – Use in Oil and Gas Field Drilling and Production Operations: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
34	Other Lubricant Base Oils	05b – Use in Oil and Gas Field Drilling and Production Operations: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
35	Other Lubricant Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
36	Other Lubricant Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1
37	Other Lubricant Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 4.7a.v1
38	Other Lubricant Base Oils	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 4.7a.v1
39	Other Lubricant Base Oils	07b – Use in Metal Working Fluids / Rolling Oils: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
40	Other Lubricant Base Oils	07b – Use in Metal Working Fluids / Rolling Oils: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
41	Other Lubricant Base Oils	10a – Use as Release Agents or Binders: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
42	Other Lubricant Base Oils	10a – Use as Release Agents or Binders: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
43	Other Lubricant Base Oils	10a – Use as Release Agents or Binders: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8b	4	ESVOC SpERC 4.10a.v1
44	Other Lubricant Base Oils	10a – Use as Release Agents or Binders: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8b	4	ESVOC SpERC 4.10a.v1
45	Other Lubricant Base Oils	10b – Use as Release Agents or Binders: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
46	Other Lubricant Base Oils	10b – Use as Release Agents or Binders: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
47	Other Lubricant Base Oils	11a – Use in Agrochemicals: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
48	Other Lubricant Base Oils	11a – Use in Agrochemicals: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
49	Other Lubricant Base Oils	11a – Use in Agrochemicals: Consumer (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
50	Other Lubricant Base Oils	11a – Use in Agrochemicals: Consumer (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
51	Other Lubricant Base Oils	15 – Use in Road and Construction Applications: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
52	Other Lubricant Base Oils	15 – Use in Road and Construction Applications: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
53	Other Lubricant Base Oils	19 – Rubber Production and Processing: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
54	Other Lubricant Base Oils	19 – Rubber Production and Processing: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
55	Other Lubricant Base Oils	19 – Rubber Production and Processing: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1
56	Other Lubricant Base Oils	19 – Rubber Production and Processing: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1
57	Other Lubricant Base Oils	21a – Use in Polymer Processing: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
58	Other Lubricant Base Oils	21a – Use in Polymer Processing: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
59	Other Lubricant Base Oils	21b – Use in Polymer Processing: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 6, 8a, 8b, 14, 21	8a, 8d	ESVOC SpERC 8.21b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
60	Other Lubricant Base Oils	21b – Use in Polymer Processing: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 6, 8a, 8b, 14, 21	8a, 8d	ESVOC SpERC 8.21b.v1
61	Other Lubricant Base Oils	12a – Use as a Fuel: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
62	Other Lubricant Base Oils	12a – Use as a Fuel: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
63	Other Lubricant Base Oils	12b – Use as a Fuel: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
64	Other Lubricant Base Oils	12b – Use as a Fuel: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
65	Other Lubricant Base Oils	12c – Use as a Fuel: Consumer (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
66	Other Lubricant Base Oils	12c – Use as a Fuel: Consumer (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
67	Other Lubricant Base Oils	06a – Lubricants: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
68	Other Lubricant Base Oils	06a – Lubricants: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
69	Other Lubricant Base Oils	06a – Lubricants: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	4, 7	ESVOC SpERC 4.6a.v1
70	Other Lubricant Base Oils	06a – Lubricants: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	4, 7	ESVOC SpERC 4.6a.v1
71	Other Lubricant Base Oils	06b – Lubricants: Professional (Low Release) (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
72	Other Lubricant Base Oils	06b – Lubricants: Professional (Low Release) (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
73	Other Lubricant Base Oils	06c – Lubricants: Professional (High Release) (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
74	Other Lubricant Base Oils	06c – Lubricants: Professional (High Release) (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
75	Other Lubricant Base Oils	06d – Lubricants: Consumer (Low Release) (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
76	Other Lubricant Base Oils	06d – Lubricants: Consumer (Low Release) (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
77	Other Lubricant Base Oils	06e – Lubricants: Consumer (High Release) (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
78	Other Lubricant Base Oils	06e – Lubricants: Consumer (High Release) (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
79	Other Lubricant Base Oils	17a – Use in Laboratories: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	10, 15	4	ERC DEFINED RELEASE FRACTIONS
80	Other Lubricant Base Oils	17a – Use in Laboratories: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	10, 15	4	ERC DEFINED RELEASE FRACTIONS
81	Other Lubricant Base Oils	17b – Use in Laboratories: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1
82	Other Lubricant Base Oils	17b – Use in Laboratories: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
83	Other Lubricant Base Oils	23 – Use in Mining Operations: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 5, 8a, 8b, 9	4	ESVOC SpERC 4.23.v1
84	Other Lubricant Base Oils	23 – Use in Mining Operations: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 5, 8a, 8b, 9	4	ESVOC SpERC 4.23.v1
85	Other Lubricant Base Oils	22a – Use in Water Treatment Chemicals: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 13	4	ESVOC SpERC 3.22a.v1
86	Other Lubricant Base Oils	22a – Use in Water Treatment Chemicals: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 13	4	ESVOC SpERC 3.22a.v1
87	Other Lubricant Base Oils	22a – Use in Water Treatment Chemicals: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 3.22a.v1
88	Other Lubricant Base Oils	22a – Use in Water Treatment Chemicals: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	10	NA	1, 2, 3, 8a, 8b	4	ESVOC SpERC 3.22a.v1
89	Other Lubricant Base Oils	22b – Use in Water Treatment Chemicals: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 13	8f	ESVOC SpERC 8.22b.v1
90	Other Lubricant Base Oils	22b – Use in Water Treatment Chemicals: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 13	8f	ESVOC SpERC 8.22b.v1
91	Other Lubricant Base Oils	18b – Explosives Manufacture & Use: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
92	Other Lubricant Base Oils	18b – Explosives Manufacture & Use: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
93	Other Lubricant Base Oils	13a – Use as Functional Fluids: Industrial (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
94	Other Lubricant Base Oils	13a – Use as Functional Fluids: Industrial (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
95	Other Lubricant Base Oils	13a – Use as Functional Fluids: Industrial (classified as H350, not H304; IP 346 ≥ 3%; >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
96	Other Lubricant Base Oils	13a – Use as Functional Fluids: Industrial (classified as H350 and H304; IP 346 ≥ 3%; ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
97	Other Lubricant Base Oils	13b – Use as Functional Fluids: Professional (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
98	Other Lubricant Base Oils	13b – Use as Functional Fluids: Professional (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
99	Other Lubricant Base Oils	13c – Use as Functional Fluids: Consumer (not classified; IP 346 < 3%; >20.5 cSt @ 40°C)	Consumer	21	16, 17	NA	9a, 9b	ESVOC SpERC 9.13c.v1
100	Other Lubricant Base Oils	13c – Use as Functional Fluids: Consumer (classified as H304 only; IP 346 < 3%; ≤20.5 cSt @ 40°C)	Consumer	21	16, 17	NA	9a, 9b	ESVOC SpERC 9.13c.v1

Foots Oils

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Foots Oils	01 – Manufacture of Substances (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Foots Oils	01 – Manufacture of Substances (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Foots Oils	01b – Use of Substance as Intermediate (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
4	Foots Oils	01b – Use of Substance as Intermediate (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
5	Foots Oils	01a – Distribution of Substance (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
6	Foots Oils	01a – Distribution of Substance (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
7	Foots Oils	02 – Formulation & (Re)packing of Substances and Mixtures (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
8	Foots Oils	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
9	Foots Oils	03a – Uses in Coatings: Industrial (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
10	Foots Oils	03a – Uses in Coatings: Industrial (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
11	Foots Oils	03b – Uses in Coatings: Professional (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
12	Foots Oils	03b – Uses in Coatings: Professional (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
13	Foots Oils	03c – Uses in Coatings: Consumer (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
14	Foots Oils	03c – Uses in Coatings: Consumer (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
15	Foots Oils	11a – Use in Agrochemicals: Professional (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
16	Foots Oils	11a – Use in Agrochemicals: Professional (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
17	Foots Oils	11a – Use in Agrochemicals: Consumer (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
18	Foots Oils	11a – Use in Agrochemicals: Consumer (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
19	Foots Oils	19 – Rubber Production and Processing: Industrial (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
20	Foots Oils	19 – Rubber Production and Processing: Industrial (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
21	Foots Oils	12a – Use as a Fuel: Industrial (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
22	Foots Oils	12a – Use as a Fuel: Industrial (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
23	Foots Oils	12b – Use as a Fuel: Professional (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
24	Foots Oils	12b – Use as a Fuel: Professional (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
25	Foots Oils	12c – Use as a Fuel: Consumer (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
26	Foots Oils	12c – Use as a Fuel: Consumer (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
27	Foots Oils	13a – Use as Functional Fluids: Industrial (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
28	Foots Oils	13a – Use as Functional Fluids: Industrial (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
29	Foots Oils	13b – Use as Functional Fluids: Professional (not classified; IP 346 < 3%; viscosity >20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
30	Foots Oils	13b – Use as Functional Fluids: Professional (classified as H304 only; IP 346 < 3%; viscosity ≤20.5 cSt @ 40°C)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1

Paraffin and Hydrocarbon Waxes

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Paraffinic and Hydrocarbon Waxes	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Paraffinic and Hydrocarbon Waxes	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Paraffinic and Hydrocarbon Waxes	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Paraffinic and Hydrocarbon Waxes	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Paraffinic and Hydrocarbon Waxes	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Paraffinic and Hydrocarbon Waxes	03b – Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Paraffinic and Hydrocarbon Waxes	03c – Uses in Coatings: Consumer	Consumer	21	1, 4, 8 (Excipient only) 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Paraffinic and Hydrocarbon Waxes	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
9	Paraffinic and Hydrocarbon Waxes	10b – Use as Release Agents or Binders: Professional	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
10	Paraffinic and Hydrocarbon Waxes	11a – Use in Agrochemicals: Professional	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
11	Paraffinic and Hydrocarbon Waxes	11b – Use in Agrochemicals: Consumer	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
12	Paraffinic and Hydrocarbon Waxes	15 – Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
13	Paraffinic and Hydrocarbon Waxes	19 – Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
14	Paraffinic and Hydrocarbon Waxes	21a – Use in Polymer Processing: Industrial	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
15	Paraffinic and Hydrocarbon Waxes	21b – Use in Polymer Processing: Professional	Professional	22	NA	1, 2, 6, 8a, 8b, 14, 21	8a, 8d	ESVOC SpERC 8.21b.v1
16	Paraffinic and Hydrocarbon Waxes	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
17	Paraffinic and Hydrocarbon Waxes	12c – Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
18	Paraffinic and Hydrocarbon Waxes	06a – Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
19	Paraffinic and Hydrocarbon Waxes	06b – Lubricants: Professional (Low Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
20	Paraffinic and Hydrocarbon Waxes	06c – Lubricants: Professional (High Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
21	Paraffinic and Hydrocarbon Waxes	06d – Lubricants: Consumer (Low Release)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
22	Paraffinic and Hydrocarbon Waxes	06e – Lubricants: Consumer (High Release)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
23	Paraffinic and Hydrocarbon Waxes	17a – Use in Laboratories: Industrial	Industrial	3	NA	10, 15	2, 4	ERC DEFINED RELEASE FRACTIONS
24	Paraffinic and Hydrocarbon Waxes	17b – Use in Laboratories: Professional	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1
25	Paraffinic and Hydrocarbon Waxes	18b – Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
26	Paraffinic and Hydrocarbon Waxes	13a – Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1

IU	Category	Identified use name	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
27	Paraffinic and Hydrocarbon Waxes	13b – Use as Functional Fluids: Professional	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
28	Paraffinic and Hydrocarbon Waxes	13c – Use as Functional Fluids: Consumer	Consumer	21	16, 17	NA	9a, 9b	ESVOC SpERC 9.13c.v1
29	Paraffinic and Hydrocarbon Waxes	16 – Other Consumer Uses	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1

Slack Wax

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Slack Waxes	01 – Manufacture of Substances (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Slack Waxes	01b – Use of Substance as Intermediate (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Slack Waxes	01a – Distribution of Substance (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Slack Waxes	02 – Formulation & (Re)packing of Substances and Mixtures (Non-carcinogenic feed-stock)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Slack Waxes	03a – Uses in Coatings: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Slack Waxes	03b – Uses in Coatings: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Slack Waxes	03c – Uses in Coatings: Consumer (Non-carcinogenic feed-stock)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Slack Waxes	10a – Use as Release Agents or Binders: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
9	Slack Waxes	11a – Use in Agrochemicals: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
10	Slack Waxes	11a – Use in Agrochemicals: Consumer (Non-carcinogenic feed-stock)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
11	Slack Waxes	15 – Use in Road and Construction Applications: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
12	Slack Waxes	19 – Rubber Production and Processing: Industrial (Non-carcinogenic feed-stock)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
13	Slack Waxes	21a – Use in Polymer Processing: Industrial (Non-carcinogenic feed-stock)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
14	Slack Waxes	12a – Use as a Fuel: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
15	Slack Waxes	12b – Use as a Fuel: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
16	Slack Waxes	12c – Use as a Fuel: Consumer (Non-carcinogenic feed-stock)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
17	Slack Waxes	06a – Lubricants: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
18	Slack Waxes	06b – Lubricants: Professional (Low Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
19	Slack Waxes	06c – Lubricants: Professional (High Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
20	Slack Waxes	06d – Lubricants: Consumer (Low Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
21	Slack Waxes	06e – Lubricants: Consumer (High Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
22	Slack Waxes	13a – Use as Functional Fluids: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
23	Slack Waxes	13b – Use as Functional Fluids: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
24	Slack Waxes	16 – Other Consumer Uses (Non-carcinogenic feed-stock)	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1

Petrolatum

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Petrolatums	01 – Manufacture of Substances (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Petrolatums	01b – Use of Substance as Intermediate (Non-carcinogenic feed-stock)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Petrolatums	01a – Distribution of Substance (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Petrolatums	02 – Formulation & (Re)packing of Substances and Mixtures (Non-carcinogenic feed-stock)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Petrolatums	03a – Uses in Coatings: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Petrolatums	03b – Uses in Coatings: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Petrolatums	03c – Uses in Coatings: Consumer (Non-carcinogenic feed-stock)	Consumer	21	1, 4, 8 (Excipient only), 9a, 9b, 9c, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Petrolatums	10a – Use as Release Agents or Binders: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
9	Petrolatums	10b – Use as Release Agents or Binders: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
10	Petrolatums	11a – Use in Agrochemicals: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
11	Petrolatums	11a – Use in Agrochemicals: Consumer (Non-carcinogenic feed-stock)	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
12	Petrolatums	19 – Rubber Production and Processing: Industrial (Non-carcinogenic feed-stock)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
13	Petrolatums	12a – Use as a Fuel: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
14	Petrolatums	12b – Use as a Fuel: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
15	Petrolatums	12c – Use as a Fuel: Consumer (Non-carcinogenic feed-stock)	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
16	Petrolatums	06a – Lubricants: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
17	Petrolatums	06b – Lubricants: Professional (Low Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1
18	Petrolatums	06c – Lubricants: Professional (High Release) (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
19	Petrolatums	06d – Lubricants: Consumer (Low Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
20	Petrolatums	06e – Lubricants: Consumer (High Release) (Non-carcinogenic feed-stock)	Consumer	21	1, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
21	Petrolatums	17a – Use in Laboratories: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	10, 15	4	ERC DEFINED RELEASE FRACTIONS
22	Petrolatums	17b – Use in Laboratories: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	10, 15	8a	ESVOC SpERC 8.17.v1
23	Petrolatums	13a – Use as Functional Fluids: Industrial (Non-carcinogenic feed-stock)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
24	Petrolatums	13b – Use as Functional Fluids: Professional (Non-carcinogenic feed-stock)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1
25	Petrolatums	16 – Other Consumer Uses (Non-carcinogenic feed-stock)	Consumer	21	28, 39	NA	8a, 8d	ESVOC SpERC 8.16.v1

Untreated Distillate Aromatic Extracts

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Untreated Distillate Aromatic Extracts	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Untreated Distillate Aromatic Extracts	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Untreated Distillate Aromatic Extracts	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Untreated Distillate Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
5	Untreated Distillate Aromatic Extracts	03a – Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
6	Untreated Distillate Aromatic Extracts	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 8b	4	ESVOC SpERC 4.10a.v1
7	Untreated Distillate Aromatic Extracts	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
8	Untreated Distillate Aromatic Extracts	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
9	Untreated Distillate Aromatic Extracts	19 – Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1

Treated Distillate Aromatic Extracts

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Treated Distillate Aromatic Extracts	01 – Manufacture of Substances (not classified; IP 346 < 3%)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Treated Distillate Aromatic Extracts	01 - Manufacture of Treated Distillate Aromatic Extract (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Treated Distillate Aromatic Extracts	01 – Manufacture of Substances (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
4	Treated Distillate Aromatic Extracts	01b – Use of Substance as Intermediate (not classified; IP 346 < 3%)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
5	Treated Distillate Aromatic Extracts	01b – Use of Substance as Intermediate (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
6	Treated Distillate Aromatic Extracts	01b – Use of Substance as Intermediate (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3, 8, 9	NA	1, 2, 3, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
7	Treated Distillate Aromatic Extracts	01a – Distribution of Substance (not classified; IP 346 < 3%)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
8	Treated Distillate Aromatic Extracts	01a – Distribution of Substance (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
9	Treated Distillate Aromatic Extracts	01a – Distribution of Substance (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
10	Treated Distillate Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures (not classified; IP 346 < 3%)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
11	Treated Distillate Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
12	Treated Distillate Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3, 10	NA	1, 2, 3, 8a, 8b, 15	2	ESVOC SpERC 2.2.v1
13	Treated Distillate Aromatic Extracts	03a – Uses in Coatings: Industrial (not classified; IP 346 < 3%)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
14	Treated Distillate Aromatic Extracts	03a – Uses in Coatings: Industrial (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
15	Treated Distillate Aromatic Extracts	03a – Uses in Coatings: Industrial (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3	NA	1, 2, 3, 8a, 8b, 15	4	ESVOC SpERC 4.3a.v1
16	Treated Distillate Aromatic Extracts	12a – Use as a Fuel: Industrial (classified as H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
17	Treated Distillate Aromatic Extracts	19 – Rubber Production and Processing: Industrial (not classified; IP 346 < 3%)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
18	Treated Distillate Aromatic Extracts	19 – Rubber Production and Processing: Industrial (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
19	Treated Distillate Aromatic Extracts	19 – Rubber Production and Processing: Industrial (classified H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	3, 10, 11	NA	1, 2, 3, 8a, 8b, 9, 15	4, 6d	ESVOC SpERC 4.19.v1
20	Treated Distillate Aromatic Extracts	21a – Use in Polymer Processing: Industrial (not classified; IP 346 < 3%)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1

IU	Category	Identified Use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
21	Treated Distillate Aromatic Extracts	21a – Use in Polymer Processing: Industrial (classified H304; IP 346 <3% m/m; viscosity ≤ 20.5 mm ² /s at 40°C)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
22	Treated Distillate Aromatic Extracts	21a – Use in Polymer Processing: Industrial (classified H350 (IP 346 ≥ 3%), H361d and H372)	Industrial	10	NA	1, 2, 3, 8a, 8b, 9	4	ESVOC SpERC 4.21a.v1

Residual Aromatic Extracts

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Residual Aromatic Extracts	01 – Manufacture of Substances (not classified)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Residual Aromatic Extracts	01 – Manufacture of Substances (classified as H351)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
3	Residual Aromatic Extracts	01b – Use of Substance as Intermediate (not classified)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
4	Residual Aromatic Extracts	01b – Use of Substance as Intermediate (classified as H351)	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
5	Residual Aromatic Extracts	01a – Distribution of Substance (not classified)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
6	Residual Aromatic Extracts	01a – Distribution of Substance (classified as H351)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
7	Residual Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures (not classified)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
8	Residual Aromatic Extracts	02 – Formulation & (Re)packing of Substances and Mixtures (classified as H351)	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
9	Residual Aromatic Extracts	03a – Uses in Coatings: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
10	Residual Aromatic Extracts	03a – Uses in Coatings: Industrial (classified as H351)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
11	Residual Aromatic Extracts	03b – Uses in Coatings: Professional (not classified)	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
12	Residual Aromatic Extracts	03c – Uses in Coatings: Consumer (not classified)	Consumer	21	1, 4, 5, 9a, 9b, 9c, 10, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
13	Residual Aromatic Extracts	07a – Use in Metal Working Fluids / Rolling Oils: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 13, 17	4	ESVOC SpERC 4.7a.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
14	Residual Aromatic Extracts	07b – Use in Metal Working Fluids / Rolling Oils: Professional (not classified)	Professional	22	NA	1, 2, 3, 5, 8a, 8b, 9, 10, 11, 13, 17	8a, 8d	ESVOC SpERC 8.7c.v1
15	Residual Aromatic Extracts	10a – Use as Release Agents or Binders: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
16	Residual Aromatic Extracts	10a – Use as Release Agents or Binders: Industrial (classified as H351)	Industrial	3	NA	1, 2, 3, 4, 6, 7, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
17	Residual Aromatic Extracts	10b – Use as Release Agents or Binders: Professional (not classified)	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 11, 14	8a, 8d	ESVOC SpERC 8.10b.v1
18	Residual Aromatic Extracts	11a – Use in Agrochemicals: Professional (not classified)	Professional	22	NA	1, 2, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
19	Residual Aromatic Extracts	15 – Use in Road and Construction Applications: Professional (not classified)	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
20	Residual Aromatic Extracts	19 – Rubber Production and Processing: Industrial (not classified)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
21	Residual Aromatic Extracts	19 – Rubber Production and Processing: Industrial (classified as H351)	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
22	Residual Aromatic Extracts	21a – Use in Polymer Processing: Industrial (not classified)	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	ESVOC SpERC 4.21a.v1
23	Residual Aromatic Extracts	21b – Use in Polymer Processing: Professional (not classified)	Professional	22	NA	1, 2, 6, 8a, 8b, 14, 21	8a, 8d	ESVOC SpERC 8.21b.v1
24	Residual Aromatic Extracts	12a – Use as a Fuel: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
25	Residual Aromatic Extracts	12a – Use as a Fuel: Industrial (classified as H351)	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
26	Residual Aromatic Extracts	06a – Lubricants: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
27	Residual Aromatic Extracts	06b – Lubricants: Professional (Low Release) (not classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified use	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
28	Residual Aromatic Extracts	06c – Lubricants: Professional (High Release) (not classified)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
29	Residual Aromatic Extracts	06d – Lubricants: Consumer (Low Release) (not classified)	Consumer	21	1, 6, 24, 31	NA	9a, 9b	ESVOC SpERC 9.6d.v1
30	Residual Aromatic Extracts	06e – Lubricants: Consumer (High Release) (not classified)	Consumer	21	1, 6, 24, 31	NA	8a, 8d	ESVOC SpERC 8.6e.v1
31	Residual Aromatic Extracts	13a – Use as Functional Fluids: Industrial (not classified)	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	ESVOC SpERC 7.13a.v1
32	Residual Aromatic Extracts	13b – Use as Functional Fluids: Professional (not classified)	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	ESVOC SpERC 9.13b.v1

Bitumen

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Bitumen	Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Bitumen	Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Bitumen	Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Bitumen	Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Bitumen	Uses in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Bitumen	Uses in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Bitumen	Uses in Coatings: Consumer	Consumer	21	1, 4, 5, 9a, 9b, 9c, 10, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Bitumen	Use in Oil and Gas Field Drilling and Production Operations: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
9	Bitumen	Use in Oil and Gas Field Drilling and Production Operations: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b	8d	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
10	Bitumen	Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
11	Bitumen	Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
12	Bitumen	Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
13	Bitumen	Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
14	Bitumen	Lubricants: Professional (Low Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
15	Bitumen	Lubricants: Professional (High Release)	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1

MK1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	MK1 Diesel Fuel	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	MK1 Diesel Fuel	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	MK1 Diesel Fuel	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	MK1 Diesel Fuel	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
5	MK1 Diesel Fuel	12b – Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	ESVOC SpERC 9.12b.v1
6	MK1 Diesel Fuel	12c – Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	ESVOC SpERC 9.12c.v1
7	MK1 Diesel Fuel	18b – Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS

Sulfur

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Sulfur	01 – Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Sulfur	01b – Use of Substance as Intermediate	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15, 22, 23	6a	ESVOC SpERC 6.1a.v1
3	Sulfur	01a – Distribution of Substance	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Sulfur	02 – Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15, 23, 24	2	ESVOC SpERC 2.2.v1
5	Sulfur	10a – Use as Release Agents or Binders: Industrial	Industrial	3	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 13, 14	4	ESVOC SpERC 4.10a.v1
6	Sulfur	10b – Use as Release Agents or Binders: Professional	Professional	22	NA	1, 2, 3, 4, 6, 8a, 8b, 10, 13, 14	8a, 8d	ESVOC SpERC 8.10b.v1
7	Sulfur	11a – Use in Agrochemicals: Professional	Professional	22	NA	1, 4, 8a, 8b, 11, 13	8a, 8d	ESVOC SpERC 8.11a.v1
8	Sulfur	11b – Use in Agrochemicals: Consumer	Consumer	21	12, 27	NA	8a, 8d	ESVOC SpERC 8.11b.v1
9	Sulfur	15 – Use in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
10	Sulfur	19 – Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
11	Sulfur	12a – Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
12	Sulfur	18b – Explosives Manufacture & Use: Professional	Professional	22	NA	1, 3, 5, 8a, 8b	8e	ERC DEFINED RELEASE FRACTIONS
13	Sulfur	Use in Matches	Consumer	21	11	NA	8e	ERC DEFINED RELEASE FRACTIONS
14	Sulfur	Use in Fireworks	Consumer	21	11	NA	8e	ERC DEFINED RELEASE FRACTIONS

Oxidized Asphalt

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Oxidized Asphalt	Manufacture of Air-Rectified Asphalt (PI≤2): Industrial	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
2	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) as Intermediate: Industrial	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
3	Oxidized Asphalt	Distribution of Air-Rectified Asphalt (PI≤2): Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
4	Oxidized Asphalt	Formulation & (Re)packing of Air-Rectified Asphalt (PI≤2) and Mixtures: Industrial	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
5	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Coatings: Industrial	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	ESVOC SpERC 4.3a.v1
6	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Coatings: Professional	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	ESVOC SpERC 8.3b.v1
7	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Coatings: Consumer	Consumer	21	1, 4, 5, 9a, 9b, 9c, 10, 15, 18, 23, 24, 31, 34	NA	8a, 8d	ESVOC SpERC 8.3c.v1
8	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Oil and Gas Field Drilling and Production Operations: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b	4	QUALITATIVE ASSESSMENT FOR ENVIRONMENT
9	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Road and Construction Applications: Professional	Professional	22	NA	8a, 8b, 9, 10, 11, 13	8d, 8f	ESVOC SpERC 8.15.v1
10	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) in Rubber Production and Processing: Industrial	Industrial	3, 10, 11	NA	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 13, 14, 15, 21	4, 6d	ESVOC SpERC 4.19.v1
11	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
12	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) as Lubricants: Industrial	Industrial	3	NA	1, 2, 3, 4, 7, 8a, 8b, 9, 10, 13, 17, 18	4, 7	ESVOC SpERC 4.6a.v1
13	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) as Lubricants (Low Release): Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	9a, 9b	ESVOC SpERC 9.6b.v1

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
14	Oxidized Asphalt	Use of Air-Rectified Asphalt (PI≤2) as Lubricants (High Release): Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13, 17, 18, 20	8a, 8d	ESVOC SpERC 8.6c.v1
15	Oxidized Asphalt	Manufacture of Severely Oxidized Asphalt (PI>2): Industrial	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1	ESVOC SpERC 1.1.v1
16	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) as Intermediate: Industrial	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	6a	ESVOC SpERC 6.1a.v1
17	Oxidized Asphalt	Distribution of Severely Oxidized Asphalt (PI>2): Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9, 15	4, 5, 6a, 6b, 6c, 6d, 7	ESVOC SpERC 1.1b.v1
18	Oxidized Asphalt	Formulation & (Re)packing of Severely Oxidized Asphalt (PI>2) and Mixtures: Industrial	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	ESVOC SpERC 2.2.v1
19	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) in Coatings: Industrial – cold applications only, no emissions	Industrial	3	NA	1, 2, 3, 4, 5, 7, 8a, 8b, 10, 13, 15	4	NA
20	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) in Coatings: Professional – cold applications only, no emissions	Professional	22	NA	1, 2, 3, 4, 5, 8a, 8b, 10, 11, 13, 15, 19	8a, 8d	NA
21	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) in Coatings: Consumer – cold applications only, no emissions	Consumer	21	1, 4, 5, 9a, 9b, 9c, 10, 15, 18, 23, 24, 31, 34	NA	8a, 8d	NA
22	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) in Construction Applications: Professional	Professional	22	NA	1, 2, 5, 8a, 8b, 9, 10, 13	8d, 8f	ESVOC SpERC 8.15.v1
23	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) as a fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	ESVOC SpERC 7.12a.v1
24	Oxidized Asphalt	Use of Severely Oxidized Asphalt (PI>2) in Manufacture of Articles: Industrial	Industrial	3	NA	1, 2, 4, 5, 8a, 8b, 9, 10, 13, 14, 15	1	NA

Petroleum gases

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Petroleum Gases	Manufacture of Substances	Industrial	8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1, 6a	NA
2	Petroleum Gases	Distribution of Substance	Industrial	8, 9	NA	1, 2, 3, 4, 8a, 8b, 9, 15	1, 2, 3, 4, 5, 6a, 6b, 6c, 6d, 7	NA
3	Petroleum Gases	Formulation & (Re)packing of Substances and Mixtures	Industrial	10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	NA
4	Petroleum Gases	Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 16	7	NA
5	Petroleum Gases	Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 4, 8a, 8b, 16	9a, 9b	NA
6	Petroleum Gases	Use as a Fuel: Consumers	Consumers	21	13	NA	9a, 9b	NA
7	Petroleum Gases	Blowing Agents: Industrial	Industrial	3	NA	1, 2, 3, 8b, 9, 12	4	NA
8	Petroleum Gases	Polymer Production: Industrial	Industrial	10	NA	1, 2, 3, 4, 8a, 8b, 16	4, 6c	NA
9	Petroleum Gases	Polymer Processing: Industrial	Industrial	10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14	4	NA
10	Petroleum Gases	Polymer Processing: Professional	Professional	22	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 14, 21	8a	NA
11	Petroleum Gases	Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	NA
12	Petroleum Gases	Functional Fluids: Professional	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	NA
13	Petroleum Gases	Propellants: Professional	Professional	22	NA	11	8a, 8d	NA

Other Petroleum gases

IU	Category	Identified Use Name	Sector	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Specific Environmental Release Category (SpERC)
1	Other Petroleum Gases	Manufacture of Substances	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 15	1, 4	NA
2	Other Petroleum Gases	Distribution of Substance	Industrial	3, 8, 9	NA	1, 2, 3, 4, 8a, 8b, 9, 15	1, 2, 3, 4, 5, 6a, 6b, 6c, 6d, 7	NA
3	Other Petroleum Gases	Formulation & (Re)packing of Substances and Mixtures	Industrial	3, 10	NA	1, 2, 3, 4, 5, 8a, 8b, 9, 14, 15	2	NA
4	Other Petroleum Gases	Use as Blowing Agents: Industrial	Industrial	3	NA	1, 2, 3, 8b, 9, 12	4	NA
5	Other Petroleum Gases	Use as a Fuel: Industrial	Industrial	3	NA	1, 2, 3, 8a, 8b, 16	7	NA
6	Other Petroleum Gases	Use as a Fuel: Professional	Professional	22	NA	1, 2, 3, 8a, 8b, 16	9a, 9b	NA
7	Other Petroleum Gases	Use as a Fuel: Consumer	Consumer	21	13	NA	9a, 9b	NA
8	Other Petroleum Gases	Use as Functional Fluids: Industrial	Industrial	3	NA	1, 2, 3, 4, 8a, 8b, 9	7	NA
9	Other Petroleum Gases	Use as Functional Fluids: Professional	Professional	22	NA	1, 2, 3, 8a, 9, 20	9a, 9b	NA
10	Other Petroleum Gases	Use in Polymer Production: Industrial	Industrial	3, 8, 9	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 14, 21	6a, 6c	NA
11	Other Petroleum Gases	Use in Polymer Processing: Industrial	Industrial	3, 10	NA	1, 2, 3, 4, 5, 6, 8a, 8b, 9, 13, 14, 21	4	NA
12	Other Petroleum Gases	Use in Polymer Processing: Professional	Professional	22	NA	1, 2, 6, 8a, 8b, 14, 21	8a, 8d	NA