

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 06/11/2015 Revision date: 15/01/2024 Supersedes version of: 28/04/2023 Version: 2.4

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1. Product identifier**

Product form Product name

Product code

:	Mixture
:	42450 - ENGINE OIL HDX 25W-60
:	42450

: Lubricants and additives

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public Main use category Function or use category

: Industrial use, Professional use, Consumer use

1.2.2. Uses advised against

#### No additional information available

#### 1.3. Details of the supplier of the safety data sheet

77 Lubricants B.V. NL- 1761 JA The Netherlands T +31 (0)78 6527652 technical@77lubricants.nl - www.77lubricants.nl

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment - Chronic Hazard, H412

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

Category 3

Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Signal word (CLP)	: -
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P103 - Read carefully and follow all instructions.
	P273 - Avoid release to the environment.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

# 2.3. Other hazards

Other hazards which do not result in classification

: Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
phenol, (tetrapropenyl) derivatives (74499-35-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component		
phenol, (tetrapropenyl) derivatives(74499-35-7)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	

#### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥ 55 – < 75	Not classified
Residual oils (petroleum), solvent-dewaxed substance with national workplace exposure limit(s) (NL)	CAS-No.: 64742-62-7 EC-No.: 265-166-0 EC Index-No.: 649-471-00-X REACH-no: 01-2119480472- 38	≥ 15 – < 25	Not classified
Distillates (petroleum), hydrotreated light paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH); substance with a Community workplace exposure limit	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29	≥1-<5	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299- 27	≥1-<3	Not classified

## Safety Data Sheet

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-refined heavy paraffinic substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH); substance with a Community workplace exposure limit	EC-No.: 265-090-8 EC Index-No.: 649-454-00-7 REACH-no: 01-2119488706-	≥ 0.3 – < 3	Not classified
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50	EC-No.: 701-251-5 REACH-no: 01-2119524004- 56	≥ 0.3 – < 3	Aquatic Chronic 4, H413
Phosphorodithioic acid, mixed O,O-bis(1,3- dimethylbutyl and iso-Pr) esters, zinc salts substance with national workplace exposure limit(s) (CZ, DE, SK)	CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626- 26	≥ 0.3 – < 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts substance with national workplace exposure limit(s) (DE, SK)	CAS-No.: 85940-28-9 EC-No.: 288-917-4 REACH-no: 01-2119521201- 61	≥ 0.3 – < 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Distillates (petroleum), solvent-dewaxed light paraffinic substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit	CAS-No.: 64742-56-9 EC-No.: 265-159-2 EC Index-No.: 649-469-00-9 REACH-no: 01-2119480132- 48	≥ 0.1 – < 1	Asp. Tox. 1, H304
reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, GB, GR, HR, HU, IE, PL, PT, RO, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit	EC-No.: 430-380-7 EC Index-No.: 616-136-00-4 REACH-no: 01-0000017666- 61	≥ 0.1 – < 0.3	Aquatic Chronic 2, H411
phenol, (tetrapropenyl) derivatives substance listed as REACH Candidate (Phenol, alkylation products (mainly in para position) with C12- rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP))	CAS-No.: 74499-35-7 EC-No.: 310-154-3 EC Index-No.: 604-092-00-9	< 0.1	Repr. 1B, H360F Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH); substance with a Community workplace exposure limit	CAS-No.: 64742-52-5 EC-No.: 265-155-0 EC Index-No.: 649-465-00-7 REACH-no: 01-2119467170- 45	< 0.1	Not classified

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
diphenylamine substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, IE, IT, LT, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 122-39-4 EC-No.: 204-539-4 EC Index-No.: 612-026-00-5 REACH-no: 01-2119488966- 13	< 0.1	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Phosphorodithioic acid, mixed O,O-bis(1,3- dimethylbutyl and iso-Pr) esters, zinc salts	CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626- 26	(6.25 < C ≤ 100) Skin Irrit. 2, H315 (10 < C ≤ 12.5) Eye Irrit. 2, H319 (12.5 < C ≤ 100) Eye Dam. 1, H318
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	CAS-No.: 85940-28-9 EC-No.: 288-917-4 REACH-no: 01-2119521201- 61	(15 ≤ C < 100) Skin Irrit. 2, H315 (15 ≤ C < 20) Eye Irrit. 2, H319 (20 ≤ C < 100) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Call a poison center or a doctor if you feel unwell.</li> </ul>
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> <li>After adequate first aid, no further treatment is required unless symptoms reappear.</li> </ul>

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a water jet since it may cause the fire to spread.</li></ul>	
5.2. Special hazards arising from the substance or mixture		
Hazardous decomposition products in case of fire	: Toxic fumes may be released.	
5.3. Advice for firefighters		
Precautionary measures fire Firefighting instructions Protection during firefighting	<ul> <li>Exercise caution when fighting any chemical fire.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective eq	uipment and emergency procedures	
General measures	: Avoid spilling the product, as this might cause falls.	
6.1.1. For non-emergency personnel		
Protective equipment Emergency procedures	<ul><li>Wear recommended personal protective equipment.</li><li>Ventilate spillage area.</li></ul>	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containme	ent and cleaning up	
For containment Methods for cleaning up	<ul> <li>Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.</li> <li>Take up liquid spill into absorbent material.</li> </ul>	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	<ul> <li>Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.</li> </ul>	
Handling temperature	: ≤ 40 °C	
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, in	cluding any incompatibilities	
Technical measures	: Provide local exhaust or general room ventilation.	
Storage conditions	: Store in a well-ventilated place. Keep cool.	
Storage temperature	: ≤40 °C	
Storage area	: Store in a well-ventilated place. Store away from heat.	
Special rules on packaging	: Keep only in original container. Store in a closed container.	
7.3. Specific end use(s)		

No additional information available

8.1. Control parameters

## SECTION 8: Exposure controls/personal protection

8.1.1 National occupational exposure and biological limit values	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA 5 mg/m <sup>3</sup>	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1] 5 mg/m <sup>3</sup>	

## Safety Data Sheet

IDEL TWA5 mg/m²United Kingdom - Occupational Exposure Limits5 mg/m²United Kingdom - Occupational Exposure Limits (E4742-65-0)5 mg/m²U - Indicative Occupational Exposure Limits (E4742-65-0)5 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA10 mg/m²United Kingdom - Occupational Exposure Limits10 mg/m²United Kingdom - Occupational Exposure Limits10 mg/m²IDEL STEL10 mg/m²DISTILIATES (Patroleum), solvent-refined heavyparafinic (64741-88-4)EU - Indicative Occupational Exposure Limit (IDEL)10 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA5 mg/m²IDEL TWA10 mg/m²IDEL TWA10 mg/m²IDEL TWA20 mg/m²IDEL TWA10 mg/m²UTIMED Kingdom - Occupational Exposure Limit (IDEL)IDEL TWA10 mg/m²IDEL TWA10 mg/m²	Distillates (petroleum), hydrotreated light para	affinic (64742-55-8)	
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We L TWA (OE L TWA) [1]         5 mg/m²           Distiliates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)         Image: Comparison of Exposure Limit (OEL)           Under Kingdom - Occupational Exposure Limit (OEL)         10 mg/m²           We L TWA (OE L TWA) [1]         5 mg/m²           We L TWA (OE L TWA) [1]         5 mg/m²           We L TWA (OE L TWA) [1]         5 mg/m²           We L TWA (OE L TWA) [1]         5 mg/m²           Distiliates (petroleum), solvent-refined heavy paraffinic (64741-88-4)         Image: Comparison of Exposure Limit (OEL)           EU - Indicative Occupational Exposure Limit (IOEL)         Image: Comparison of Exposure Limit (IOEL)           United Kingdom - Occupational Exposure Limit (IOEL)         Image: Comparison of Comparison of Exposure Limit (IOEL)           United Kingdom - Occupational Exposure Limit (IOEL)         Image: Comparison of	IOEL TWA	5 mg/m³	
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Distillates (petroloum), solvent-refined heavy paraffinic (64741-88-4)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m <sup>3</sup> IOEL STEL       10 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limits       5 mg/m <sup>3</sup> WEL TWA (OEL TWA) [1]       5 mg/m <sup>3</sup> reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1)         EU - Indicative Occupational Exposure Limit (IOEL)         UoEL TWA       10 mg/m <sup>3</sup> IOEL STEL       20 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limits       20 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limits       20 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limits       20 mg/m <sup>3</sup> WEL TWA (OEL TWA) [1]       10 mg/m <sup>3</sup> Ubiliates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m <sup>3</sup> ACGH TLV (inhalable fraction)         diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m <sup>3</sup> IOEL TWA <td>WEL TWA (OEL TWA) [1]</td> <td>5 mg/m³</td>	WEL TWA (OEL TWA) [1]	5 mg/m³	
EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³         IOEL STEL       10 mg/m³         United Kingdom - Occupational Exposure Limits       5 mg/m³         WEL TWA (OEL TWA) [1]       5 mg/m³         WEL STEL (OEL STEL)       10 mg/m³         reaction product of coccoalkyldiethanolamides and coccoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL STEL       20 mg/m³         United Kingdom - Occupational Exposure Limit (IOEL)       20 mg/m³         Local name       Molybdenum compounds (as Mo) insoluble compounds         WEL STEL (OEL STEL)       20 mg/m³         Regulatory reference       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)         Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)         EU - Indicative Occupational Exposure Limit (IOEL)       20 mg/m³         IOEL TWA       10 mg/m³         EU - Indicative Occupational Exposure Limit (IOEL)       20 mg/m³         IOEL TWA       10 mg/m³	WEL STEL (OEL STEL)	10 mg/m <sup>3</sup>	
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Normal Stream (Normal Stream (Norma (Normal Stream (Norma (Norma (Norma (Norma (Norma (N	EU - Indicative Occupational Exposure Limit (IOEL)		
United Kingdom - Occupational Exposure Limits           WEL TWA (OEL TWA) [1]         5 mg/m <sup>a</sup> WEL STEL (OEL STEL)         10 mg/m <sup>a</sup> reaction product of occoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75- 1.0:0.1-1.1)         10 mg/m <sup>a</sup> EU - Indicative Occupational Exposure Limit (IOEL)         20 mg/m <sup>a</sup> IOEL TWA         10 mg/m <sup>a</sup> IOEL STEL         20 mg/m <sup>a</sup> United Kingdom - Occupational Exposure Limits         20 mg/m <sup>a</sup> Local name         Molybdenum compounds (as Mo) insoluble compounds           WEL TWA (OEL TWA) [1]         10 mg/m <sup>a</sup> WEL STEL (OEL STEL)         20 mg/m <sup>a</sup> Regulatory reference         UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)           Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)           IOEL TWA         5 mg/m <sup>a</sup> ACGIH TLV (inhalable fraction)           diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)           IOEL TWA         10 mg/m <sup>a</sup> IOEL TWA         20 mg/m <sup>a</sup> IOEL TWA         5 mg/m <sup>a</sup> ACGIH TLV (inhalable fraction)           diphenylamine (122-39-4)         20 mg/m <sup>a</sup> EU - Indicative Occupational Exposur	IOEL TWA	5 mg/m³	
WEL TWA (OEL TWA) [1]     5 mg/m³       WEL STEL (OEL STEL)     10 mg/m³       reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75- 1.0:0.1-1.1)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³       IOEL STEL     20 mg/m³       United Kingdom - Occupational Exposure Limits       Local name     Molybdenum compounds (as Mo) insoluble compounds       WEL TWA (OEL TWA) [1]     10 mg/m³       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)       Distillates (petroleum), solvent-dewaxed light puraffici (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA       (DeL TWA       10 mg/m³       Cupit Imatic (IOEL STEL)       Distillates (petroleum), solvent-dewaxed light puraffici (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL       IOEL TWA       10 mg/m³       Cupit Imatic Model       United Kingdom - Occupational Exposure Limit (IOEL)       IOEL TWA       10 mg/m³ <td col<="" td=""><td>IOEL STEL</td><td>10 mg/m³</td></td>	<td>IOEL STEL</td> <td>10 mg/m³</td>	IOEL STEL	10 mg/m³
WEL STEL (OEL STEL)     10 mg/m <sup>3</sup> reaction product of cocoalkyldiethanolamides     and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75- 1.0:0.1-1.1)       EU - Indicative Occupational Exposure Limit (IOEL)     10 mg/m <sup>3</sup> IOEL TWA     10 mg/m <sup>3</sup> IOEL TWA     20 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limit (IOEL)     20 mg/m <sup>3</sup> Local name     Molybdenum compounds (as Mo) insoluble compounds       WEL STEL (OEL STEL)     20 mg/m <sup>3</sup> Regulatory reference     UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)       Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     5 mg/m <sup>3</sup> ACGIH TLV (inhalable fraction)       diphenylamine (122-39-4)     20 mg/m <sup>3</sup> EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m <sup>3</sup> IOEL TWA     20 mg/m <sup>3</sup> USEL TWA     10 mg/m <sup>3</sup> IOEL TWA     10 mg/m <sup>3</sup> IOEL TWA     20 mg/m <sup>3</sup>	United Kingdom - Occupational Exposure Limits		
reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m <sup>a</sup> IOEL STEL       20 mg/m <sup>a</sup> United Kingdom - Occupational Exposure Limits       20 mg/m <sup>a</sup> Local name       Molybdenum compounds (as Mo) insoluble compounds         WEL TWA (OEL TWA) [1]       10 mg/m <sup>a</sup> Regulatory reference       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)         Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m <sup>a</sup> ACGIH TLV (inhalable fraction)       diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)       10 mg/m <sup>a</sup> IOEL TWA       10 mg/m <sup>a</sup> IOEL TWA       10 mg/m <sup>a</sup> IOEL TWA       10 mg/m <sup>a</sup>	WEL TWA (OEL TWA) [1]	5 mg/m³	
1.0:0.1-1.1)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL STEL       20 mg/m³         United Kingdom - Occupational Exposure Limits       Molybdenum compounds (as Mo) insoluble compounds         Local name       Molybdenum compounds (as Mo) insoluble compounds         WEL TWA (OEL TWA) [1]       10 mg/m³         WEL STEL (OEL STEL)       20 mg/m³         Regulatory reference       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)         Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL TWA       20 mg/m³         IOEL TWA       20 mg/m³         IOEL TWA       10 mg/m³         IOEL TWA       20 mg/m³         EU - Indicative Occupational Exposure Limit (IOEL)       20 mg/m³         IOEL TWA       10 mg/m³         IOEL TWA <td< td=""><td>WEL STEL (OEL STEL)</td><td>10 mg/m<sup>3</sup></td></td<>	WEL STEL (OEL STEL)	10 mg/m <sup>3</sup>	
IOEL TWA         10 mg/m³           IOEL STEL         20 mg/m³           United Kingdom - Occupational Exposure Limits         Molybdenum compounds (as Mo) insoluble compounds           Local name         Molybdenum compounds (as Mo) insoluble compounds           WEL TWA (OEL TWA) [1]         10 mg/m³           WEL STEL (OEL STEL)         20 mg/m³           Regulatory reference         UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)           Distillates (petroleum), solvent-dewaxed light >= raffinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)           IOEL TWA         5 mg/m³ ACGIH TLV (inhalable fraction)           diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)           IOEL TWA         10 mg/m³           IOEL TWA         20 mg/m³           IOEL TWA         10 mg/m³           IOEL TWA         10 mg/m³           IOEL TWA         10 mg/m³		and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-	
IOEL STEL         20 mg/m³           United Kingdom - Occupational Exposure Limits         Molybdenum compounds (as Mo) insoluble compounds           Local name         Molybdenum compounds (as Mo) insoluble compounds           WEL TWA (OEL TWA) [1]         10 mg/m³           WEL STEL (OEL STEL)         20 mg/m³           Regulatory reference         UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)           Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)           IOEL TWA         5 mg/m³ ACGIH TLV (inhalable fraction)           diphenylamine (122-39-4)         5 mg/m³ ACGIH TLV (inhalable fraction)           EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA           IOEL TWA         10 mg/m³           IOEL TWA         10 mg/m³           IOEL TWA         10 mg/m³           IOEL TWA         10 mg/m³	EU - Indicative Occupational Exposure Limit (IOEL)		
United Kingdom - Occupational Exposure Limits         Local name       Molybdenum compounds (as Mo) insoluble compounds         WEL TWA (OEL TWA) [1]       10 mg/m³         WEL STEL (OEL STEL)       20 mg/m³         Regulatory reference       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)         Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)       10 mg/m³         EU - Indicative Occupational Exposure Limit (IOEL)       10 mg/m³         IOEL TWA       10 mg/m³         IOEL TWA       10 mg/m³         WEL STEL       20 mg/m³	IOEL TWA	10 mg/m <sup>3</sup>	
Local nameMolybdenum compounds (as Mo) insoluble compoundsWEL TWA (OEL TWA) [1]10 mg/m³WEL STEL (OEL STEL)20 mg/m³Regulatory referenceUK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)EU - Indicative Occupational Exposure Limit (IOEL)5 mg/m³ ACGIH TLV (inhalable fraction)diphenylamine (122-39-4)EU - Indicative Occupational Exposure Limit (IOEL)IOEL TWA10 mg/m³IOEL TWA10 mg/m³IOEL STEL20 mg/m³IOEL STEL10 mg/m³WEL TWA (OEL TWA) [1]10 mg/m³	IOEL STEL	20 mg/m <sup>3</sup>	
WEL TWA (OEL TWA) [1]     10 mg/m³       WEL STEL (OEL STEL)     20 mg/m³       Regulatory reference     UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)       Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     5 mg/m³ ACGIH TLV (inhalable fraction)       diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³       WE TWA (OEL TWA) [1]     10 mg/m³	United Kingdom - Occupational Exposure Limits		
WEL STEL (OEL STEL)     20 mg/m³       Regulatory reference     UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)       Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     5 mg/m³ ACGIH TLV (inhalable fraction)       diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³       IOEL TWA     10 mg/m³	Local name	Molybdenum compounds (as Mo) insoluble compounds	
Regulatory reference       UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)         Distillates (petroleum), solvent-dewaxed light == affinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL TWA       20 mg/m³         IOEL STEL       20 mg/m³         United Kingdom - Occupational Exposure Limits       10 mg/m³	WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup>	
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL TWA       20 mg/m³         United Kingdom - Occupational Exposure Limits         WEL TWA (OEL TWA) [1]       10 mg/m³	WEL STEL (OEL STEL)	20 mg/m <sup>3</sup>	
EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       5 mg/m³ ACGIH TLV (inhalable fraction)         diphenylamine (122-39-4)         EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL STEL       20 mg/m³         United Kingdom - Occupational Exposure Limits         WEL TWA (OEL TWA) [1]       10 mg/m³	Regulatory reference	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)	
IOEL TWA     5 mg/m³ ACGIH TLV (inhalable fraction)       diphenylamine (122-39-4)     EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m³       IOEL STEL     20 mg/m³       United Kingdom - Occupational Exposure Limits     10 mg/m³       WEL TWA (OEL TWA) [1]     10 mg/m³	Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
diphenylamine (122-39-4)       EU - Indicative Occupational Exposure Limit (IOEL)       IOEL TWA     10 mg/m³       IOEL STEL     20 mg/m³       United Kingdom - Occupational Exposure Limits       WEL TWA (OEL TWA) [1]     10 mg/m³	EU - Indicative Occupational Exposure Limit (IOEL)		
EU - Indicative Occupational Exposure Limit (IOEL)         IOEL TWA       10 mg/m³         IOEL STEL       20 mg/m³         United Kingdom - Occupational Exposure Limits       10 mg/m³         WEL TWA (OEL TWA) [1]       10 mg/m³	IOEL TWA	5 mg/m <sup>3</sup> ACGIH TLV (inhalable fraction)	
IOEL TWA     10 mg/m³       IOEL STEL     20 mg/m³       United Kingdom - Occupational Exposure Limits       WEL TWA (OEL TWA) [1]     10 mg/m³	diphenylamine (122-39-4)		
IOEL STEL 20 mg/m <sup>3</sup> United Kingdom - Occupational Exposure Limits WEL TWA (OEL TWA) [1] 10 mg/m <sup>3</sup>	EU - Indicative Occupational Exposure Limit (IOEL)		
United Kingdom - Occupational Exposure Limits       WEL TWA (OEL TWA) [1]       10 mg/m³	IOEL TWA	10 mg/m <sup>3</sup>	
WEL TWA (OEL TWA) [1] 10 mg/m <sup>3</sup>	IOEL STEL	20 mg/m <sup>3</sup>	
	United Kingdom - Occupational Exposure Limits		
	WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup>	
WEL STEL (UEL STEL) 20 mg/m <sup>3</sup>	WEL STEL (OEL STEL)	20 mg/m³	

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	5 mg/m³	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1] 5 mg/m <sup>3</sup>		

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

## Eye protection:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	5 (> 240 minutes)	0.7	3 (> 0.65)	EN ISO 374

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Polyvinylchloride (PVC)	2 (> 30 minutes)	0.4	3 (> 0.65)	EN ISO 374

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: -21 °C (ASTM D7346)
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 201 °C (ASTM D92)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: 243 mm²/s @ 40°C (ASTM D7042)
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 890.5 kg/m³ @ 15°C (ASTM D4052)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
Strong oxidizing agents.
10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral)       : Not classified         Acute toxicity (dermal)       : Not classified         Acute toxicity (inhalation)       : Not classified		
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
LD50 oral (rat)	> 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test	
LD50 dermal (rabbit)	> 2000 mg/kg 402 Acute Dermal Toxicity Test	
LC50 inhalation (rat) (mg/l)	> 5000 mg/l/4h	
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test	
Residual oils (petroleum), solvent-dewaxed (6	4742-62-7)	
LD50 oral (rat)	> 5000 mg/kg	
LD50 dermal (rat)	> 2000 mg/kg	
Distillates (petroleum), hydrotreated light para	affinic (64742-55-8)	
LD50 oral (rat)	> 5000 mg/kg 401 Acute Oral Toxicity Test	
LD50 dermal (rabbit)	> 5000 mg/kg 402 Acute Dermal Toxicity Test	
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test	
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)	
LD50 oral (rat)	> 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test	
LD50 dermal (rabbit)	> 5000 mg/kg 402 Acute Dermal Toxicity Test	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test	
Distillates (petroleum), solvent-refined heavy	paraffinic (64741-88-4)	
LD50 oral (rat)	> 5000 mg/kg	
LD50 dermal (rabbit)	> 2000 mg/kg	
LC50 inhalation (rat) (mg/l)	> 5000 mg/m³	
LC50 inhalation (rat) (Vapours - mg/l/4h)	5.53 mg/l/4h	
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50		
LD50 oral (rat)	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	

## Safety Data Sheet

	5 branched olefins (C12 rich) derived from propene oligomerization,	
carbonates, calcium salts, overbased, sulfu dewaxed, or catalytic dewaxed, light or hea	rized including distillates (petroleum), hydrotreated, solvent-refined, solvent- vy paraffinic C15-C50	
LD50 dermal (rabbit)	<ul> <li>&gt; 4000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)</li> </ul>	
LC50 inhalation (rat) (mg/l)	> 1.67 mg/l OECD 403 (1h)	
reaction product of cocoalkyldiethanolamic 1.0:0.1-1.1)	es and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-	
LD50 oral (rat)	> 5000 mg/kg Source: ECHA	
LD50 dermal (rabbit)	> 2000 mg/kg Source: ECHA	
Phosphorodithioic acid, mixed O,O-bis(1,3-	dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
LD50 oral (rat)	3100 mg/kg OECD 401	
LD50 dermal (rat)	> 2002 mg/kg OECD 402	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 2.3 mg/l/4h OECD 403	
Phosphorodithioic acid, mixed O,O-bis(2-et	hylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	
LD50 oral (rat)	3080 mg/kg OECD Guideline 401	
LD50 dermal (rabbit)	> 20000 mg/kg OECD Guideline 402	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 2.3 mg/l/4h OECD Guideline 403	
Distillates (petroleum), solvent-dewaxed lig	ht paraffinic (64742-56-9)	
LD50 oral (rat)	> 5000 mg/kg bodyweight	
LD50 dermal (rat)	> 5000 mg/kg	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 2.18 mg/l/4h	
diphenylamine (122-39-4)		
LD50 oral (rat)	> 800 mg/kg	
LD50 dermal (rabbit)	> 5000 mg/kg	
phenol, (tetrapropenyl) derivatives (74499-3	5-7)	
LD50 oral (rat)	2200 mg/kg 401 Acute Oral Toxicity Test	
LD50 dermal (rabbit)	15000 mg/kg 402 Acute Dermal Toxicity Test	
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)		
LD50 oral (rat)	> 5000 mg/kg bodyweight OECD 401	
LD50 dermal (rabbit)	> 5000 mg/kg bodyweight OECD 402	
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	5.53 mg/l/4h OECD 403	
Skin corrosion/irritation	: Not classified	
reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75- 1.0:0.1-1.1)		
рН	3.5 Source: ECHA	

## Safety Data Sheet

reaction product of cocoalkyldiethanolamide 1.0:0.1-1.1)	es and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-
pH	3.5 Source: ECHA
Respiratory or skin sensitisation       :         Germ cell mutagenicity       :         Carcinogenicity       :         Reproductive toxicity       :         STOT-single exposure       :         STOT-repeated exposure       :	Not classified Not classified Not classified Not classified Not classified Not classified
Distillates (petroleum), hydrotreated heavy p	araffinic (64742-54-7)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408
Distillates (petroleum), hydrotreated light pa	raffinic (64742-55-8)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Distillates (petroleum), solvent-dewaxed hea	vy paraffinic (64742-65-0)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
	branched olefins (C12 rich) derived from propene oligomerization, ized including distillates (petroleum), hydrotreated, solvent-refined, solvent- y paraffinic C15-C50
NOAEL (oral, rat, 90 days)	200 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
reaction product of cocoalkyldiethanolamide	es and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)), Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (subacute, oral, animal/male, 28 days)	150 mg/kg bodyweight
Phosphorodithioic acid, mixed O,O-bis(1,3-d	imethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
NOAEL (subacute, oral, animal/male, 28 days)	160 mg/kg bodyweight
Phosphorodithioic acid, mixed O,O-bis(2-eth	ylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)
NOAEL (subacute, oral, animal/female, 28 days)	125 mg/kg bodyweight 407 Repeated Dose 28-day Oral Toxicity Study in Rodents
Distillates (petroleum), solvent-dewaxed ligh	t paraffinic (64742-56-9)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
diphenylamine (122-39-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard :	Not classified
42450 - ENGINE OIL HDX 25W-60	
Viscosity, kinematic	243 mm²/s @ 40°C (ASTM D7042)
Distillates (petroleum), hydrotreated heavy p	araffinic (64742-54-7)
Viscosity, kinematic	98 (98 – 108) mm²/s @40°C

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Residual oils (petroleum), solvent-dewaxed (64742-62-7)			
Viscosity, kinematic	490 mm²/s @40°C		
Distillates (petroleum), hydrotreated light para	Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)		
iscosity, kinematic < 20.5 mm²/s @40°C			
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)		
Viscosity, kinematic 150 (1.99 – 847) mm²/s @40°C			
Distillates (petroleum), solvent-refined heavy	paraffinic (64741-88-4)		
Viscosity, kinematic	28.51 mm²/s @40°C		
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50			
Viscosity, kinematic	206820 mm²/s Temp.: '20°C' Parameter: 'cSt'		
Phosphorodithioic acid, mixed 0,0-bis(1,3-di	methylbutyl and iso-Pr) esters, zinc salts (84605-29-8)		
Viscosity, kinematic	407.6 mm²/s		
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)			
Viscosity, kinematic	1.99 – 847 mm²/s Temp.: '40°C		
11.2. Information on other hazards			
11.2.1. Endocrine disrupting properties			
Component			
phenol, (tetrapropenyl) derivatives(74499-35-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)		

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

12.1. Toxicity	
	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
	Not classified
(acute) Hazardous to the aquatic environment, long-term : (chronic)	Harmful to aquatic life with long lasting effects.
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)
LC50 - Fish [1]	> 100 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitat
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)
NOEC chronic crustacea	10 mg/l Daphnia magna (21d)
NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata (72h)

## Safety Data Sheet

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)			
LC50 - Fish [1]	> 100 mg/l Pimephales promelas		
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna		
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitat		
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)		
NOEC chronic crustacea	10 mg/l Daphnia magna (21d)		
NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata (72h)		
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)		
LC50 - Fish [1]	> 100 mg/l Pimephales promelas		
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna		
NOEC chronic fish	> 1000 mg/l Oncorhynchus mykiss (14d)		
NOEC chronic crustacea	> 10 mg/l Daphnia magna (21d)		
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata (72h)		
Distillates (petroleum), solvent-refined heavy	paraffinic (64741-88-4)		
LC50 - Fish [1]	> 100 mg/l Pimephales promelas		
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna		
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)		
NOEC chronic crustacea	10 mg/l Daphnia magna (21d)		
NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata (72h)		
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50			
LC50 - Fish [1]	> 1000 mg/l Pimephales promelas		
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna		
EC50 96h - Algae [1]	> 500 mg/l Pseudokirchneriella subcapitata		
reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75- 1.0:0.1-1.1)			
LC50 - Fish [1]	> 10 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)		
EC50 - Crustacea [1]	1.5 mg/l Test organisms (species): Daphnia magna		
EC50 72h - Algae [1]	1.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
EC50 72h - Algae [2]	4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
LOEC (chronic)	1.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (chronic)	0.47 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC chronic crustacea	0.47 mg/l Daphnia magna (21d)		
NOEC chronic algae	0.625 mg/l Desmodesmus subspicatus (72h)		
Phosphorodithioic acid, mixed 0,0-bis(1,3-di	methylbutyl and iso-Pr) esters, zinc salts (84605-29-8)		
LC50 - Fish [1]	4.5 mg/l Oncorhynchus mykiss		

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Phosphorodithioic acid, mixed O,O-bis(1,3-di	methylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
EC50 - Crustacea [1]	23 mg/l Water flea (Daphnia magna) (OECD 202)	
EC50 72h - Algae [1]	21 mg/l Scenedesmus quadricauda	
NOEC chronic crustacea	0.4 mg/l Daphnia magna (21d) (OECD 211)	
NOEC chronic algae	10 mg/l Scenedesmus quadricauda (72h)	
Phosphorodithioic acid, mixed O,O-bis(2-ethy	، الهديرا and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	
LC50 - Fish [1]	4.5 mg/l Oncorhynchus mykiss	
EC50 - Crustacea [1]	> 5.4 mg/l Daphnia magna	
EC50 96h - Algae [1]	> 2.1 mg/l Selenastrum capricornutum	
NOEC chronic crustacea	0.4 mg/l Daphnia magna (21d)	
NOEC chronic algae	1 mg/l Selenastrum capricornutum (96h)	
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
LC50 - Fish [1]	> 100 mg/l Pimephales promelas	
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna	
NOEC chronic fish	≥ 1000 mg/l Oncorhynchus mykiss	
NOEC chronic crustacea	10 mg/l Daphnia magna	
NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata	
diphenylamine (122-39-4)		
LC50 - Fish [1]	3.79 mg/l Pimephales promelas	
EC50 - Crustacea [1]	2 mg/l Daphnia magna (OECD 202)	
EC50 72h - Algae [1]	2.17 mg/l Desmodesmus subspicatus (OECD 201)	
NOEC chronic fish	0.625 mg/l Oryzias latipes (21d)	
NOEC chronic crustacea	0.125 mg/l Daphnia magna (OECD Test Guideline 202) (21d)	
NOEC chronic algae	0.027 mg/l Pseudokirchnerella subcapitata (72h)	
phenol, (tetrapropenyl) derivatives (74499-35-7)		
LC50 - Fish [1]	40 mg/l Pimephales promelas	
EC50 - Crustacea [1]	0.037 mg/l Daphnia magna	
EC50 72h - Algae [1]	0.36 mg/l Desmodesmus subspicatus	
NOEC chronic crustacea	0.0037 mg/l Daphnia magna (21d)	
NOEC chronic algae	0.07 mg/l Desmodesmus subspicatus (72h)	
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)		
LC50 - Fish [1]	> 100 mg/l Pimephales promelas	
EC50 - Crustacea [1]	> 10000 mg/l	
NOEC chronic fish	> 1000 mg/l	
NOEC chronic crustacea	10 mg/l Daphnia magna OECD 211 (21d)	

NOEC chronic algae

> 100 mg/l

## Safety Data Sheet

12.2. Persistence and degradability		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % OECD TG 301 F (28d)	
Distillates (petroleum), hydrotreated light para	affinic (64742-55-8)	
Biodegradation	31 % OECD TG 301 F (28d)	
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)	
Biodegradation	31 % OECD 301F (28d)	
Distillates (petroleum), solvent-refined heavy	paraffinic (64741-88-4)	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % OECD 301F (28d)	
	pranched olefins (C12 rich) derived from propene oligomerization, red including distillates (petroleum), hydrotreated, solvent-refined, solvent- paraffinic C15-C50	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	13.4 % OECD 301B (28d)	
reaction product of cocoalkyldiethanolamides 1.0:0.1-1.1)	and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-	
Biodegradation	57 – 98 % 28d	
Phosphorodithioic acid, mixed O,O-bis(1,3-dir	nethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	1.5 % OECD TG 301 B (28d)	
Phosphorodithioic acid, mixed 0,0-bis(2-ethy	Ihexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	1.5 % OECD 301B (28d)	
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % OECD 301F	
diphenylamine (122-39-4)		
Biodegradation	26 % OECD TG 301 D (28d)	
phenol, (tetrapropenyl) derivatives (74499-35-7)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	6 – 25 % OECD 301B (28d)	
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)		
Biodegradation	31 % 28d	

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.3. Bioaccumulative potential		
Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6	
Residual oils (petroleum), solvent-dewaxed (6	4742-62-7)	
Partition coefficient n-octanol/water (Log Pow)	> 3.5	
Distillates (petroleum), hydrotreated light para	affinic (64742-55-8)	
Partition coefficient n-octanol/water (Log Pow)	> 6	
Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)	
Bioconcentration factor (BCF REACH)	260	
Distillates (petroleum), solvent-refined heavy	paraffinic (64741-88-4)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6	
	pranched olefins (C12 rich) derived from propene oligomerization, red including distillates (petroleum), hydrotreated, solvent-refined, solvent- paraffinic C15-C50	
Bioconcentration factor (BCF REACH)	2.2	
Partition coefficient n-octanol/water (Log Pow)	9.5	
reaction product of cocoalkyldiethanolamides 1.0:0.1-1.1)	and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-	
Bioconcentration factor (BCF REACH)	< 84	
Partition coefficient n-octanol/water (Log Pow)	0.3 – 6.5 Source: ECHA	
Phosphorodithioic acid, mixed O,O-bis(1,3-dir	nethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
Partition coefficient n-octanol/water (Log Kow)	0.56	
Phosphorodithioic acid, mixed O,O-bis(2-ethy	lhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	
Partition coefficient n-octanol/water (Log Pow)	8.87 @ 20°C	
diphenylamine (122-39-4)		
Bioconcentration factor (BCF REACH)	151.36	
Partition coefficient n-octanol/water (Log Kow)	3.4	
phenol, (tetrapropenyl) derivatives (74499-35-7)		
Bioconcentration factor (BCF REACH)	289	
Partition coefficient n-octanol/water (Log Pow)	7.14 @ 25°C	
Bioaccumulative potential	Bioaccumulative potential.	
12.4. Mobility in soil		

Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized including distillates (petroleum), hydrotreated, solvent-refined, solventdewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

 Mobility in soil
 3615000000000 Source: EPISUITE

Mobility in soil 361500000000 Source: EPISUITE	
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
Ecology - soil	Adsorbs into the soil.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)			
Ecology - soil Adsorbs into the soil.			
12.5. Results of PBT and vPvB assessment			
Component			
phenol, (tetrapropenyl) derivatives (74499-35-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Endocrine disrupting properties			
Component			
phenol, (tetrapropenyl) derivatives(74499-35-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)		
12.7. Other adverse effects			

No additional information available

# SECTION 13: Disposal considerations 13.1. Waste treatment methods Yeakse treatment methods Product/Packaging disposal recommendations European List of Waste (LoW, EC 2000/532) : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

#### **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID r	number			1
Not regulated for transport				
14.2. UN proper shippin	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard	class(es)			1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				1
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

#### 14.6. Special precautions for user

#### **Overland transport**

No data available

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### Transport by sea

No data available

Air transport No data available

Inland waterway transport No data available

Rail transport No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

#### **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains substance(s) listed on the REACH Candidate List in concentrations  $\geq$  0.1 % or SCL: Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) (EC 310-154-3, CAS 74499-35-7)

#### **PIC Regulation (Prior Informed Consent)**

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Diphenylamine (122-39-4)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

#### No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Indication of changes			
Section Changed item Change Comments			
	Revision date	Modified	

## Safety Data Sheet

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
9.1	Colour	Modified	
10.5	Incompatible materials	Added	
13.1	European List of Waste (LoW, EC 2000/532)	Added	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H360F	May damage fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.