

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 15/08/2012 Revision date: 16/12/2022 Supersedes version of: 29/09/2022 Version: 5.0

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	77666 - R
Product code	:	77666

ockdrill Oil 220

: 77666

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

1.2.1. Relevant identified uses

Main use category Function or use category : Professional use, Industrial use : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Transnational Blenders B.V. B.V. Wieldrechtseweg, 37 NL- 3316 BG Dordrecht - Netherlands Zuid Holland Netherlands T +31 (0)78 6527652 technical@tnb.nl - www.tnb.nl

1.4. Emergency telephone number

Emergency number

: +31 (0)78 6527652 Monday to Friday: 09:00 - 16:00 (CET)

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 mi	ixture
Classification according to Regulation (EC) No Hazardous to the aquatic environment – Chronic Full text of H- and EUH-statements: see section 1 Adverse physicochemical, human health and of Harmful to aquatic life with long lasting effects.	Hazard, Category 3 H412 6
2.2. Label elements	
Labelling according to Regulation (EC) No. 12 Signal word (CLP) Hazard statements (CLP) Precautionary statements (CLP)	 72/2008 [CLP] : - : H412 - Harmful to aquatic life with long lasting effects. : 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.

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2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH 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 is 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 %

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- 24, 01-2119484627-25	≥ 45 – < 55	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	≥ 45 – < 55	Not classified
Amines, C10-14-tert-alkyl	EC-No.: 701-175-2 REACH-no: 01-2119456798- 18	< 0.2	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:vapour), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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	< 0.1	Asp. Tox. 1, H304
C16-18-(even numbered, saturated and unsaturated)- alkylamines	EC-No.: 627-034-4 REACH-no: 01-2119473797- 19	< 0.1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Amines, C10-14-tert-alkyl	EC-No.: 701-175-2 REACH-no: 01-2119456798- 18	(6.7 <c 100)="" 1a,="" h317<="" sens.="" skin="" td="" ≤=""></c>
C16-18-(even numbered, saturated and unsaturated)- alkylamines	EC-No.: 627-034-4 REACH-no: 01-2119473797- 19	(10 ≤C < 100) STOT RE 2, H373

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	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed		

No additional information available

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	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a water jet since it may cause the fire to spread.		
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			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area.		
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.

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6.3. Methods and material for containment and cleaning up		
Methods for cleaning up Other information	Take up liquid spill into absorbent material.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 stor	age		
7.1. Precautions for safe handling			
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 		
7.2. Conditions for safe storage, including any incompatibilities			

Storage conditions

: Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m ³		
IOEL STEL 10 mg/m ³		
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1] 5 mg/m ³		
WEL STEL (OEL STEL) 10 mg/m ³		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m ³		
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1] 5 mg/m ³		

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

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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 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)	6 (> 480 minutes)	>0.35		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.

9.1. Information on basic phys	ical and chemical properties
Physical state	: Liquid
Colour	: Brown.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: -21 °C ASTM D7346
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosion limit	: Not available

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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.

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

No additional information available

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 (dermal)	Not classified Not classified Not classified /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

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LD50 oral (ra) > 5000 mg/kg LD50 demail (ral) > 2000 mg/kg bodyweight 401 Acute Oral Toxicity Test LD50 oral (rabbi) > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test LD50 demail (rabbi) > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test LD50 oral (rabbi) > 5000 mg/m³ LC50 Inhalation (rat) (tustMist - mg/k4h) > 5.53 mg/k14 403 Acute Inhalation Toxicity Test Amines, C10-14-tert-alkyl Image (DCCD 401) LD50 oral (ral) 612 mg/kg (DCCD 401) LD50 demail (ral) 251 mg/kg (DCCD 402) LD50 inhalation (ral) (Vapours - mg/k4h) 1.19 mg/kq (DCCD 403) C16-18-[even numbered, saturated and unsaturated)-alkylamines Image (CCD 403) LD50 oral (ral) 1688 mg/kg Sin corrosorvimation : Not classified C16-18-[even numbered, saturated and unsaturated)-alkylamines Image (CCD 402) D4 1.7 Serious eye demage/initiation : Not classified C16-18-[even numbered, saturated and unsaturated]-alkylamines Image (CCD 402) pH 1.7 Respiratory or skin sansitiation : Not classified Corrisogenohy : Not classified Corrisogenohy : Not classified Corrisogenohy : Not classified Corrisogenohy : Not classified Corr	Residual oils (petroleum), solvent-dewaxed (6	64742-62-7)	
Distillates (perroleum), hydrotreated heavy paraffinic (64742-54-7) LD50 oral (rat) > 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test LD50 demal (rabbit) > 3000 mg/kg 402 Acute Demal Toxicity Test LD50 inhalation (rat) (mg/l) > 5000 mg/m LD50 oral (rat) > 5000 mg/m LD50 oral (rat) > 5000 mg/m LD50 oral (rat) > 512 mg/kg (OECD 401) LD50 oral (rat) 251 mg/kg (OECD 402) LD50 oral (rat) 1.19 mg/kh (OECD 403) Cf61-8-(even numbered, saturated and unsaturated)-alkylamines LD50 oral (rat) 1.889 mg/kg Shin correson/initiation : Not classified Cf61-8-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Serios eys damage/irmitein : Not classified Cf61-8-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Respiratory or skin sensitisation : Not classified Cf61-8-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Respiratory or skin sensitisation : Not classified Cf61-8-(even numbered, saturated and unsaturated)-alkylamines pH 11.7	LD50 oral (rat)	> 5000 mg/kg	
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LD50 demail (rabbit) > 3000 mg/kg 402 Acute Demail Toxicity Test LC50 inhalation (rat) (mg/l) > 5000 mg/m³ LC50 inhalation (rat) (mg/l) > 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test Amines, C10-14-tert-salkyl International (rat) LD50 oral (rat) \$12 mg/kg (OECD 401) LD50 dermal (rat) 251 mg/kg (OECD 402) LC50 inhalation (rat) (Vapours - mg/l4h) 1.19 mg/kh (OECD 403) C16-18-(even numbered, saturated and unsaturated)-alkylamines ID50 oral (rat) LD50 oral (rat) 1689 mg/kg Skin corresion/initiation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines PH pH 11.7 Serious sey damage/initiation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines PH pH 11.7 Respiratory or skin sensitisation : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) LOAEL (oral, rat, 90 day	Distillates (petroleum), hydrotreated heavy pa	raffinic (64742-54-7)	
LC50 inhalation (rat) (mg/l) > 5000 mg/m ³ LC50 inhalation (rat) (Dust/Mist - mg/l/4h) > 5.53 mg/l4h 403 Acute Inhalation Toxicity Test Amines, C10-14-tert-alkyl LD50 oral (rat) LC50 inhalation (rat) (Dust/Mist - mg/l/4h) 612 mg/kg (OECD 402) LC50 inhalation (rat) (Vapours - mg/l/4h) 1.19 mg/l4h (OECD 403) C16-18-(even numbered, saturated and unsaturated)-alkylamines LD50 oral (rat) LD50 oral (rat) 1689 mg/kg Sin correso/in/friation Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines DE0 oral (rat) pH 11.7 Serious sey damage/intriation Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines DE0 oral (rat) pH 11.7 Serious sey damage/intriation Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines C16-18-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Classified Carcinogenicity Not classified Carcinogenicity Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines STOT-single exposure STOT-single exposure Mot classified	LD50 oral (rat)	> 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test	
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LD50 oral (rat) 612 mg/kg (OECD 401) LD50 dermal (rat) 251 mg/kg (OECD 402) LC50 inhalation (rat) (Vapours - mg/V4h) 1.19 mg/V4h (OECD 403) C16-18-(even numbered, saturated and unsaturated)-alkylamines ID50 oral (rat) LD50 oral (rat) 1689 mg/kg Skin corosion/initiation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines ID pH 11.7 Serious eye damage/initiation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines ID pH 11.7 Respiratory or skin sensitisation : Not classified Gern cell mudgenicity : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified Colf-18-(even numbered, saturated and unsaturated)-alkylamines STOT-single exposure : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines STOT-repeated exposure : Not classified STOT-repeated exposure : Not classified Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight Animal: rat, Anima	LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test	
LD50 dermal (rat) Z51 mg/kg (OECD 402) LC50 inhalation (rat) (Vapours - mg/l4h) 1.19 mg/l4h (OECD 403) C16-18-(even numbered, saturated and unsaturated)-alkylamines LD50 oral (rat) LD50 oral (rat) 1689 mg/kg Skin corrosion/irritation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines PH pH 11.7 Serious eye damage/irritation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines PH pH 11.7 Serious eye damage/irritation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified STOT-single exposure : Not classified STOT-single exposure : Not classified Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) LOAEL (oral, rat, 90 days) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 C16-18-	Amines, C10-14-tert-alkyl		
LC50 inhalation (rat) (Vapours - mg/l4h) 1.19 mg/l4h (OECD 403) C16-18-(even numbered, saturated and unsaturated)-alkylamines LD50 oral (rat) LD50 oral (rat) 1689 mg/kg Skin corrosion/intritation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Serious eye damage/initiation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Respiratory or skin sensitisation : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified Carcinogenicity : Not classified Colf-18-(even numbered, saturated and unsaturated)-alkylamines STOT-single exposure : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines STOT-single exposure : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines STOT-repeated exposure : Not classified Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) LOAEL (oral, rat, 90 da	LD50 oral (rat)	612 mg/kg (OECD 401)	
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C16-18-(even numbered, saturated and unsaturated)-alkylamines pH 11.7 Serious eye damage/irritation : Not classified C16-18-(even numbered, saturated and unsaturated)-alkylamines pH pH 11.7 Respiratory or skin sensitisation : Not classified Gern cell mutagenicity : Not classified Carcinogenicity : Not classified Correspondentity : Not classified StOT-single exposure : Not classified STOT-single exposure May cause respiratory irritation. STOT-single exposure : Not classified Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) LOAEL (oral, rat, 90 days) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) LOAEL (oral, rat, 90 days) C16-18-(even numbered, saturated and unsaturated)-alkylamines STOT-riepeated exposure STOT-riepeated exposure : Not classified Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) LOAEL (oral, rat, 90 days) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 C16-18-(even numbered, saturated and unsaturated	LD50 oral (rat)	1689 mg/kg	
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Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	77666 - Rockdrill Oil 220		
	Viscosity, kinematic	219 mm²/s @40°C (ASTM D7042)	
Viscosity, kinematic 150 (1.99 – 847) mm ² /s @40°C	Distillates (petroleum), solvent-dewaxed heav	y paraffinic (64742-65-0)	
	Viscosity, kinematic	150 (1.99 – 847) mm²/s @40°C	

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Residual oils (petroleum), solvent-dewaxed (64742-62-7)		
Viscosity, kinematic	490 mm²/s @40°C	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Viscosity, kinematic 21 (21 – 23) mm ² /s @40°C		
Amines, C10-14-tert-alkyl		
Viscosity, kinematic 3.44 mm ² /s		
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short-term : (acute)	Harmful to aquatic life with long lasting effects. Not classified Harmful to aquatic life with long lasting effects.	
(chronic) Not rapidly degradable		
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), hydrotreated heavy pa	araffinic (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 Scenedesmus quadricauda	
NOEC chronic fish	> 1000 mg/l	
NOEC chronic crustacea	> 10 mg/l	
NOEC chronic algae	> 100 mg/l	
Amines, C10-14-tert-alkyl		
LC50 - Fish [1]	1.3 mg/l Oncorhynchus mykiss	
EC50 - Crustacea [1]	2.5 mg/l Daphnia magna	
EC50 72h - Algae [1]	0.44 mg/l Pseudokirchneriella subcapitata	
NOEC chronic fish	0.078 mg/l 96d,Oncorhynchus mykiss	
NOEC chronic algae	0.05 mg/l 72h, Pseudokirchneriella subcapitata	
C16-18-(even numbered, saturated and unsaturated)-alkylamines		
LC50 - Fish [1]	0.06 mg/l Pimephales promelas	
EC50 - Crustacea [1]	0.011 mg/l Daphnia magna	
EC50 72h - Algae [1]	0.12 mg/l Desmodesmus subspicatus	

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EC50 96h - Algae [1]0.04 mg/l Selenastrum capricornutumLOEC (chronic)0.032 mg/l Test organisms (species): Daphnia magna Duration: '21 d'NOEC (chronic)0.013 mg/l Test organisms (species): Daphnia magna Duration: '21 d'NOEC chronic crustacea0.013 mg/l Daphnia magna (21d)			
NOEC (chronic) 0.013 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic crustacea 0.013 mg/l Daphnia magna (21d)			
NOEC chronic algae 0.01 mg/l Selenastrum capricornutum (96h)			
12.2. Persistence and degradability			
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)			
Biodegradation 31 % OECD 301F (28d)			
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Persistence and degradability Not readily biodegradable.			
Biodegradation 31 % OECD 301F (28d)			
Amines, C10-14-tert-alkyl			
Biodegradation 21.8 % OECD 301D (28d)			
C16-18-(even numbered, saturated and unsaturated)-alkylamines			
Biodegradation 66 % OECD 301B (28d)			
12.3. Bioaccumulative potential			
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)			
Bioconcentration factor (BCF REACH) 260			
Residual oils (petroleum), solvent-dewaxed (64742-62-7)			
Partition coefficient n-octanol/water (Log Pow) > 3.5			
Amines, C10-14-tert-alkyl			
Partition coefficient n-octanol/water (Log Pow) 2.9 @20°C			
C16-18-(even numbered, saturated and unsaturated)-alkylamines			
BCF - Fish [1] 500 mg/l			
Bioconcentration factor (BCF REACH) 500			
Partition coefficient n-octanol/water (Log Kow) 4.33 @25°C			
12.4. Mobility in soil			
	No additional information available		
No additional information available			
No additional information available			
No additional information available 12.5. Results of PBT and vPvB assessment			

12.7. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID					
ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number or ID number					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shippin	14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport

Not regulated

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)

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REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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	
	Supersedes	Modified	
1.2	Main use category	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2	Hazard statements (CLP)	Added	
2.2	Precautionary statements (CLP)	Added	
3	Composition/information on ingredients	Modified	
12.1	Ecology - general	Modified	

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	

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Abbreviations and acronyms:		
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)	
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. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.

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Full text of H- and EUH-statements:	
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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.