Eurol Engine Oil Treat

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 26/06/2014 Revision date: 01/07/2015 Supersedes: 19/08/2014 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Product name : Eurol Engine Oil Treat

Product code : E802315

Product group : Trade product

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 : industrial use,professional use,consumer use

Use of the substance/mixture : Lubricant

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Eurol bv.
Energiestraat 12
7442 DA Nijverdal - The Netherlands
T +31 548 615165
r.hilgers@eurol.com - www.eurol.com

1.4. Emergency telephone number

Emergency number : +31 548 615165
(Monday to Friday: 8:00 - 17:00)

Country	Organisation/Company	Address	Emergency number
ICELAND	Iceland Poisons Information Centre Landspitali University Hospital	Fossvogi 108 Reykjavik	+354 525 111 +354 543 2222
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
UNITED KINGDOM	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
Ελλάδα	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 10 779 3777
إسرائيل	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Sens. 1 H317

Aquatic Acute 1 H400

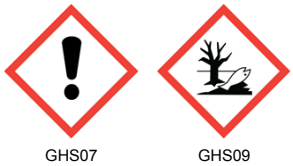
Aquatic Chronic 1 H410

Full text of H-statements: see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07 GHS09

CLP Signal word : Warning

Hazardous ingredients : amines, bis (C11-14-branched and linear alkyl), tungstates

Hazard statements (CLP)	:	H317 - May cause an allergic skin reaction H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	:	P102 - Keep out of reach of children P261 - Avoid breathing mist, spray, vapours P273 - Avoid release to the environment P280 - Wear Protective gloves P302+P352 - IF ON SKIN: Wash with plenty of water P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P501 - Dispose of contents/container to a hazardous or special waste collection point

2.3. Other hazards

Other hazards not contributing to the classification	:	This product floats on water and may affect the oxygen-balance in the water. The base oil contains less than 3% DMSO-extract measured according IP 346, therefore it is NOT classified as T/R45: May cause cancer" (Note L).". USED ENGINE OILS: Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8 (REACH-no) 01-2119484627-25	35 - 50	Not classified	Asp. Tox. 1, H304
reaction mass of isomers of: mono-(2-tetradecyl)naphthalenes, di-(2-tetradecyl)naphthalenes, tri-(2-tetradecyl)naphthalenes	(CAS No) 132983-41-6 (EC no) 410-190-0 (EC index no) 601-055-00-9 (REACH-no) 01-2119847896-17	25 - 35	Xi; R36 R53	Aquatic Chronic 4, H413
Amines, polyethyleenpoly-, reactieproducten met barnsteenzuuranhydride polyisobutenyl derivaten	(CAS No) 84605-20-9 (EC no) 617-593-2	2,5 - 5	R53	Aquatic Chronic 4, H413
amines, bis (C11-14-branched and linear alkyl), tungstates	(CAS No) 1159919-46-6 (EC no) 700-718-0 (REACH-no) 01-2119949643-29	2,5 - 5	R43 N; R50/53	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)
2,6-Di-tert-butyl-p-cresol	(CAS No) 128-37-0 (EC no) 204-881-4 (REACH-no) 01-2119555270-46	2,5 - 5	N; R50/53	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	(REACH-no) 01-2119491299-23	1 - 2,5	R52/53	STOT RE 2, H373 Aquatic Chronic 3, H412
Highly refined base oil (IP 346 DMSO extract < 3%) substance with national workplace exposure limit(s) (GB)		1 - 2,5	Not classified	Not classified
Highly refined mineral oil (C15 -C50) substance with a Community workplace exposure limit		1 - 2,5	Not classified	Asp. Tox. 1, H304
Diphenylamine substance with national workplace exposure limit(s) (AT, CZ, DK, ES, FI, FR, GB, GR, IE, IT, NL, PT, SE)	(CAS No) 122-39-4 (EC no) 204-539-4 (EC index no) 612-026-00-5 (REACH-no) 01-2119488966-13	< 0,1	T; R23/24/25 N; R50/53 R33	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Seek medical attention if ill effect develops.
First-aid measures after inhalation	:	Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. High-pressure injection under skin may cause serious damage. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain medical attention if pain, blinking, tears or redness persist.

First-aid measures after ingestion : Consult a doctor/medical service if you feel unwell. If vomiting occurs spontaneously, keep head below the hips to prevent aspiration. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

Symptoms/injuries after skin contact : Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.

Symptoms/injuries after eye contact : Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Symptoms/injuries after ingestion : Bad taste. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

Symptoms/injuries upon intravenous administration : Unknown.

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 : Carbon dioxide (CO2), dry chemical powder, foam. Water fog.

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustion generates : CO, CO2, POx, NOx, SOx, H2S. Metallic oxides.

Explosion hazard : Not expected to be a fire/explosion hazard under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

Other information : Prevent fire-fighting water from entering environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Prevent soil and water pollution. Prevent entry to sewers and public waters.

6.1.1. For non-emergency personnel

Protective equipment : When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing.

Emergency procedures : Consider evacuation.

6.1.2. For emergency responders

Protective equipment : When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Emergency procedures : No specific measures are necessary.

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Notify authorities if product enters sewers or public waters. Prevent soil and water pollution. Prevent liquid from entering sewers, watercourses, underground or low areas. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

For containment : Large quantities: Contain large spillage with sand or earth.

Methods for cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Take up large spills with pump or vacuum and finish with dry chemical absorbent.

Other information : Use suitable disposal containers. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. On water, recover/skim from surface and pour out in disposal container.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

Precautions for safe handling : Avoid prolonged and repeated contact with skin. May be dangerously slippery if spilled. Where contact with eyes or skin is likely, wear suitable protection. Do not eat, drink or smoke during use. Remove contaminated clothing and shoes.

Hygiene measures : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Where contact with eyes or skin is likely, wear suitable protection. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed and in well ventilated place.

Storage conditions : Store in original container.

Incompatible products : Reacts vigorously with strong oxidizers and acids.

Maximum storage period : 5 year

Storage temperature : ≤ 40 °C.

Prohibitions on mixed storage : Keep away from : oxidizing materials. strong acids.

Storage area : Store at ambient temperature.

Special rules on packaging : Keep container tightly closed and dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2,6-Di-tert-butyl-p-cresol (128-37-0)		
EU	IOELV TWA (mg/m³)	5 mg/m³
Austria	Local name	2,6-Di-tert-butyl-p-kresol
Austria	MAK (mg/m³)	10 mg/m³
Belgium	Local name	2,6-Di-tert-butyl-p-crésol (vapeur et aérosol)
Belgium	Limit value (mg/m³)	2 mg/m³
Bulgaria	Local name	Дибутилпаракрезол
Bulgaria	OEL TWA (mg/m³)	10 mg/m³
Bulgaria	OEL STEL (mg/m³)	50 mg/m³
Croatia	Local name	2,6-Di-tert-butil-p-krezol
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³
Denmark	Local name	2,6-Di-tert-butyl-p-cresol (1994)
Denmark	Grænseværdie (langvarig) (mg/m³)	10 mg/m³
Finland	Local name	2,6-Di-tert-butyyli-p-kresoli
Finland	HTP-arvo (8h) (mg/m³)	10 mg/m³
Finland	HTP-arvo (15 min)	20 mg/m³
France	Local name	2,6-Di-tert-butyl-p-crésol
France	VME (mg/m³)	10 mg/m³
Germany	Local name	2,6-Di-tert-butyl-p-kresol
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	10 mg/m³
Greece	OEL TWA (mg/m³)	10 mg/m³
Ireland	Local name	2,6-Ditertiary-butyl-para- cresol
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Portugal	Local name	Hidroxitoluenobutilado (2,6-Di-terc-butil-p-cresol) (BHT)

2,6-Di-tert-butyl-p-cresol (128-37-0)		
Portugal	OEL TWA (mg/m³)	2 mg/m³
Slovenia	Local name	2,6-di-terc-butil-p-krezol
Slovenia	OEL TWA (mg/m³)	10 mg/m³
Spain	Local name	2,6-Diterc-butil-p-cresol (2014)
Spain	VLA-ED (mg/m³)	10 mg/m³
United Kingdom	Local name	2,6-Di-tert-butyl-p-cresol
United Kingdom	WEL TWA (mg/m³)	10 mg/m³
Iceland	Local name	2,6-Dí-tert-bútýl-p -kresól (bútýlhýdroxýtólúen)
Iceland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Switzerland	Local name	2,6-Di-tert-butyl-4-crésol
Switzerland	VME (mg/m³)	10 mg/m³
Australia	Local name	2,6-Di-tert-butyl-p-cresol
Australia	TWA (mg/m³)	10 mg/m³
USA - ACGIH	Local name	Butylated hydroxytoluene
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
USA - ACGIH	Remark (ACGIH)	URT irr

Highly refined base oil (IP 346 DMSO extract < 3%)		
United Kingdom	WEL TWA (mg/m³)	5 mg/m³

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Belgium	Limit value (mg/m³)	5 mg/m³

Diphenylamine (122-39-4)		
Austria	MAK (ppm)	0,7 ppm
Austria	MAK Short time value (ppm)	1,4 ppm
Czech Republic	Expoziční limity (PEL) (ppm)	20 ppm
Czech Republic	Expoziční limity (NPK-P) (ppm)	10 ppm
Denmark	Grænseværdie (langvarig) (ppm)	5 ppm
Estonia	OEL TWA (ppm)	10 ppm
Finland	HTP-arvo (8h) (ppm)	5 mg/m³
Finland	HTP-arvo (15 min) (ppm)	10 ppm
France	VLE (ppm)	10 ppm
Greece	OEL TWA (ppm)	10 ppm
Greece	OEL STEL (ppm)	20 ppm
Ireland	OEL (8 hours ref) (ppm)	10 ppm
Ireland	OEL (15 min ref) (ppm)	20 ppm
Netherlands	Grenswaarde TGG 8H (ppm)	0,7 ppm
Portugal	OEL TWA (ppm)	10 ppm
Slovenia	OEL TWA (ppm)	5 ppm
Spain	VLA-ED (ppm)	10 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	4 ppm
Sweden	kortidsvärde (KTV) (ppm)	12 ppm
United Kingdom	WEL TWA (ppm)	20 ppm
United Kingdom	WEL STEL (ppm)	10 ppm
Norway	Grenseverdier (AN) (ppm)	5
Norway	Grenseverdier (Korttidsverdi) (ppm)	10 ppm
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³

Highly refined mineral oil (C15 -C50)		
EU	IOELV TWA (mg/m³)	5 mg/m³

Exposure-value for oil mist : 10 mg/m3 (15 min.) or 5 mg/m3 (8 hours).

8.2. Exposure controls

Appropriate engineering controls : Large quantities: Contain large spillage with sand or earth.

Personal protective equipment : Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed.

Materials for protective clothing	:	PVC gloves. Neoprene or nitrile rubber gloves
Hand protection	:	In case of repeated or prolonged contact wear gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Eye protection	:	Eye protection should only be necessary where liquid could be splashed or sprayed
Skin and body protection	:	No special clothing/skin protection equipment is recommended under normal conditions of use. Avoid repeated or prolonged skin contact. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Equipment should conform to EN 166.
Respiratory protection	:	Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn. Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard.

Environmental exposure controls	:	See Heading 12. See Heading 6.
Consumer exposure controls	:	PVC gloves. Neoprene or nitrile rubber gloves.
Other information	:	Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	liquid
Appearance	:	Oily. liquid.
Colour	:	Amber.
Odour	:	characteristic.
Odour threshold	:	no data available
pH	:	no data available
Relative evaporation rate (butylacetate=1)	:	< 0,1
Melting point	:	no data available
Freezing point	:	no data available
Boiling point	:	> 280 °C.
Flash point	:	> 120 °C.
Auto-ignition temperature	:	> 240 °C.
Decomposition temperature	:	no data available
Flammability (solid, gas)	:	no data available
Vapour Pressure 20°C	:	< 0,1 hPa
Relative vapour density at 20 °C	:	> 1 (air=1)
Relative density	:	no data available
Density	:	0,88 - 0,89 kg/l
Solubility	:	insoluble in water.
Log Pow	:	> 3
Viscosity, kinematic	:	no data available
Viscosity, dynamic	:	no data available
Explosive properties	:	no data available
Oxidising properties	:	no data available
Explosive limits	:	0,6 - 7 vol %

9.2. Other information

VOC content	:	0 %
Other properties	:	Gas/vapour heavier than air at 20'C.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Moisture. Overheating.

10.5. Incompatible materials

Strong oxidizing agents. strong acids.

10.6. Hazardous decomposition products

CO, CO2, POx, NOx, SOx, H2S. Metallic oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 ml/kg

amines, bis (C11-14-branched and linear alkyl), tungstates (1159919-46-6)	
LD50 oral rat	> 5000 mg/kg

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5,53 mg/l

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	
LD50 dermal rat	> 2000 ml/kg

Diphenylamine (122-39-4)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Other information : Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products. Likely route of exposure: ingestion, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Ecology - water : This product floats on water and may affect the oxygen-balance in the water.

amines, bis (C11-14-branched and linear alkyl), tungstates (1159919-46-6)	
EC50 Daphnia 1	4,6 mg/l EC50 48h - Daphnia magna [mg/l]
ErC50 (algae)	0,00088 mg/l 72h

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 fish 1	100 mg/l
EC50 Daphnia 1	10000 mg/l

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	
ErC50 (algae)	> 100 mg/l 72h

Diphenylamine (122-39-4)	
LC50 fish 1	10 - 100 mg/l
EC50 Daphnia 1	0,31 mg/l

12.2. Persistence and degradability

Eurol Engine Oil Treat	
Persistence and degradability	Not readily biodegradable.

Diphenylamine (122-39-4)	
Biodegradation	26 % Closed bottle - 28 days

12.3. Bioaccumulative potential

Eurol Engine Oil Treat	
Log Pow	> 3
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.

2,6-Di-tert-butyl-p-cresol (128-37-0)	
Log Pow	5,1

amines, bis (C11-14-branched and linear alkyl), tungstates (1159919-46-6)	
Log Pow	> 8

Diphenylamine (122-39-4)	
Log Kow	3,4 Partition coefficient n-octanol/water [log Kow]

12.4. Mobility in soil

Eurol Engine Oil Treat	
Ecology - soil	Not miscible with water. Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.

Additional information : Hazardous waste.

Ecology - waste materials : Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point.

European List of Waste (LoW) code : 13 02 06* - Synthetic engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. : 3082

UN-No. (IMDG) : 3082

UN-No. (ICAO) : 3082

UN-No. (ADN) : 3082

UN-No. (RID) : 3082

14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

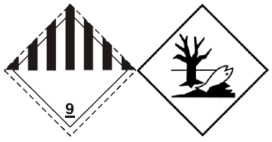
Proper Shipping Name (RID)	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR)	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; amines, bis (C11-14-branched and linear alkyl), tungstates), 9, III, (E)
Transport document description (IMDG)	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	:	9
Hazard labels (UN)	:	9

:



IMDG

Transport hazard class(es) (IMDG)	:	9
Danger labels (IMDG)	:	9

:

IATA

Transport hazard class(es) (IATA)	:	9
Danger labels (ICAO)	:	9

:

ADN

Transport hazard class(es) (ADN)	:	9
Danger labels (ADN)	:	9

:

RID

Transport hazard class(es) (RID)	:	9
Danger labels (RID)	:	9

:

14.4. Packing group

Packing group (UN)	:	III
Packing group (IMDG)	:	III
Packing group (IATA)	:	III
Packing group (ADN)	:	III

Packing group (RID)	:	III

14.5. Environmental hazards

Dangerous for the environment	:	Yes
Marine pollutant	:	Yes
Other information	:	No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (UN)	:	M6
Special provisions (ADR)	:	274, 335, 601
Limited quantities (ADR 2011)	:	5l
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Special packing provisions (ADR)	:	PP1
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T4
Portable tank and bulk container special provisions (ADR)	:	TP1, TP29
Tank code (ADR)	:	LGBV
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Loading, unloading and handling (ADR)	:	CV13
Hazard identification number (Kemler No.)	:	90
Orange plates	:	90 3082
Tunnel restriction code (ADR)	:	E
EAC code	:	•3Z

- Transport by sea

Special provisions (IMDG)	:	274, 335
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP2, TP29
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-F
Stowage category (IMDG)	:	A

- Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y964
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	964
PCA max net quantity (IATA)	:	450L
CAO packing instructions (IATA)	:	964
CAO max net quantity (IATA)	:	450L
Special provisions (IATA)	:	A97, A158, A197
ERG code (IATA)	:	9L

- Inland waterway transport

Classification code (ADN)	:	M6
Special provisions (ADN)	:	274, 335, 61
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP
Number of blue cones/lights (ADN)	:	0
Not subject to ADN	:	No

- Rail transport

Classification code (RID)	:	M6
Special provisions (RID)	:	274, 335, 601
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP29
Tank codes for RID tanks (RID)	:	LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW13, CW31
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90
Carriage prohibited (RID)	:	No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content	:	0 %

15.1.2. National regulations

Germany

VwVwS Annex reference	:	Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4.)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	Distillates (petroleum), hydrotreated heavy paraffinic is listed
SZW-lijst van mutagene stoffen	:	Distillates (petroleum), hydrotreated heavy paraffinic is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed

Denmark

Classification remarks	:	Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	:	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, 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 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
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
H413	May cause long lasting harmful effects to aquatic life
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R33	Danger of cumulative effects
R36	Irritating to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
T	Toxic
Xi	Irritant

SDS EU (REACH Annex II)

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