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

1.1. Product identifier

Product form : Mixture
Trade name/designation : Racing Gear Lube 85w90
Product code : 92-8M0078016, 92-8M0078015, 92-8M0133995, 92-8M0133997
Document no. : 766-01-0276S

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Use of the substance/mixture : Lubricants

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Brunswick Marine EMEA
Parc industriel de Petit-Rechain, Avenue Mercury 8
4800 Verviers - Belgium
T +32 (0)87 32 32 11
bme.compliance@brunswick.com

1.4. Emergency telephone number

Emergency number : 0032 3 575 55 55
This telephone number is available 24 hours per day, 7 days per week.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
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, 24/7, healthcare professionals only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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


Aquatic Chronic 3 H412

Full text of H statements : see section 16

2.2. Label elements

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

Signal word : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents/container to an approved waste disposal plant
Extra phrases : EUH208 - Contains Polysulfides, di-tert-Bu, Alkoxyated long-chain alkyl amine. May produce an allergic reaction.

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2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : (*) Substances for which there are Community workplace exposure limits.

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulfonic acids, petroleum, calcium salts, overbased	(CAS-No.) 68783-96-0 (EC-No.) 272-213-9 (EC Index) -	<1,5	Aquatic Chronic 4, H413
Alkoxylated long-chain alkyl amine	(CAS-No.) - (EC-No.) -	<0,5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Polysulfides, di-tert-Bu	(CAS-No.) 68937-96-2 (EC-No.) 273-103-3 (EC Index) - (REACH-no) 01-21195450515-43-XXXX	<1	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Long-chain alkenyl amine	(CAS-No.) - (EC-No.) -	< 0,5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Aquatic Acute 1, H400
ethyl acrylate	(CAS-No.) 140-88-5 (EC-No.) 205-438-8 (EC Index) 607-032-00-X	<0,001 (*)	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute Not classified

Specific concentration limits:

Substance name	Product identifier	Specific concentration limits
ethyl acrylate	(CAS-No.) 140-88-5 (EC-No.) 205-438-8 (EC Index) 607-032-00-X	(5 =<C < 100) STOT SE 3, H335 (5 =<C < 100) Skin Irrit. 2, H315 (5 =<C < 100) Eye Irrit. 2, H319

Full text of H-statements: see section 16


SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

Inhalation : Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.

Skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

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Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation : The following symptoms may occur: Irritation.

Skin contact : May cause an allergic skin reaction. The following symptoms may occur: Redness.

Eyes contact : The following symptoms may occur: Irritation.

Ingestion : The following symptoms may occur: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Heating causes rise in pressure with risk of bursting.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂), nitrogen oxides (NO_x) and sulphur oxides. Phosphorus oxides. Aldehydes.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions


Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.

Hygiene measures : Keep good industrial hygiene. Wash hands immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Separate working clothes from town clothes. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethyl acrylate (140-88-5)		
EU	IOELV TWA (mg/m ³)	21 mg/m ³
EU	IOELV TWA (ppm)	5 ppm
EU	IOELV STEL (mg/m ³)	42 mg/m ³
EU	IOELV STEL (ppm)	10 ppm
Austria	MAK (mg/m ³)	20 mg/m ³
Austria	MAK (ppm)	5 ppm
Austria	MAK Short time value (mg/m ³)	40 mg/m ³
Austria	MAK Short time value (ppm)	10 ppm
Belgium	Limit value (mg/m ³)	21 mg/m ³
Belgium	Limit value (ppm)	5 ppm
Belgium	Short time value (mg/m ³)	42 mg/m ³
Belgium	Short time value	10 ppm
Bulgaria	OEL TWA (mg/m ³)	21 mg/m ³
Bulgaria	OEL TWA (ppm)	5 ppm
Bulgaria	OEL STEL (mg/m ³)	42 mg/m ³
Bulgaria	OEL STEL (ppm)	10 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	21 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	5 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	42 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	10 ppm
Cyprus	OEL TWA (mg/m ³)	21 mg/m ³
Cyprus	OEL TWA (ppm)	5 ppm
Cyprus	OEL STEL (mg/m ³)	42 mg/m ³
Cyprus	OEL STEL (ppm)	10 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	20 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	21 mg/m ³

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Denmark	Grænseværdie (langvarig) (ppm)	5 ppm
Estonia	OEL TWA (mg/m ³)	20 mg/m ³
Estonia	OEL TWA (ppm)	5 ppm
Estonia	OEL STEL (mg/m ³)	40 mg/m ³
Estonia	OEL STEL (ppm)	10 ppm
Finland	HTP-arvo (8h) (mg/m ³)	21 mg/m ³
Finland	HTP-arvo (8h) (ppm)	5 ppm
Finland	HTP-arvo (15 min)	42 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	10 ppm
France	VME (mg/m ³)	21 mg/m ³
France	VME (ppm)	5 ppm
France	VLE (mg/m ³)	42 mg/m ³ (restrictive limit)
France	VLE (ppm)	10 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	8,3 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	2 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	8h mg/m ³	21 mg/m ³
Gibraltar	8h ppm	5 ppm
Gibraltar	Short-term mg/m ³	42 mg/m ³
Gibraltar	Short-term ppm	10 ppm
Greece	OEL TWA (mg/m ³)	21 mg/m ³
Greece	OEL TWA (ppm)	5 ppm
Greece	OEL STEL (mg/m ³)	42 mg/m ³
Greece	OEL STEL (ppm)	10 ppm
Hungary	AK-érték	21 mg/m ³
Hungary	CK-érték	42 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	20 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	5 ppm
Ireland	OEL (15 min ref) (mg/m ³)	41 mg/m ³
Ireland	OEL (15 min ref) (ppm)	10 ppm
Italy	OEL TWA (mg/m ³)	21 mg/m ³
Italy	OEL TWA (ppm)	5 ppm
Italy	OEL STEL (mg/m ³)	42 mg/m ³
Italy	OEL STEL (ppm)	10 ppm
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Lithuania	IPRV (mg/m ³)	21 mg/m ³
Lithuania	IPRV (ppm)	5 ppm
Lithuania	TPRV (mg/m ³)	42 mg/m ³
Lithuania	TPRV (ppm)	10 ppm
Luxembourg	OEL TWA (mg/m ³)	21 mg/m ³
Luxembourg	OEL TWA (ppm)	5 ppm

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Luxembourg	OEL STEL (mg/m ³)	42 mg/m ³
Luxembourg	OEL STEL (ppm)	10 ppm
Malta	OEL TWA (mg/m ³)	21 mg/m ³
Malta	OEL TWA (ppm)	5 ppm
Malta	OEL STEL (mg/m ³)	42 mg/m ³
Malta	OEL STEL (ppm)	10 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	21 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	42 mg/m ³
Poland	NDS (mg/m ³)	20 mg/m ³
Poland	NDSch (mg/m ³)	40 mg/m ³
Portugal	OEL TWA (mg/m ³)	21 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	5 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	10 ppm (indicative limit value) 15 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	21 mg/m ³
Romania	OEL TWA (ppm)	5 ppm
Romania	OEL STEL (mg/m ³)	42 mg/m ³
Romania	OEL STEL (ppm)	10 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	21 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	5 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	42 mg/m ³
Slovenia	OEL TWA (mg/m ³)	21 mg/m ³
Slovenia	OEL TWA (ppm)	5 ppm
Slovenia	OEL STEL (mg/m ³)	42 mg/m ³
Slovenia	OEL STEL (ppm)	10 ppm
Spain	VLA-ED (mg/m ³)	21 mg/m ³
Spain	VLA-ED (ppm)	5 ppm
Spain	VLA-EC (mg/m ³)	42 mg/m ³
Spain	VLA-EC (ppm)	10 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	20 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	5 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	40 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	10 ppm
United Kingdom	WEL TWA (mg/m ³)	21 mg/m ³
United Kingdom	WEL TWA (ppm)	5 ppm
United Kingdom	WEL STEL (mg/m ³)	42 mg/m ³
United Kingdom	WEL STEL (ppm)	10 ppm
Norway	Grenseverdier (AN) (mg/m ³)	21 mg/m ³
Norway	Grenseverdier (AN) (ppm)	5 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	42 mg/m ³ (value from the regulation)
Norway	Grenseverdier (Korttidsverdi) (ppm)	10 ppm (value from the regulation)
Switzerland	MAK (mg/m ³)	10 mg/m ³
Switzerland	MAK (ppm)	2,5 ppm
Switzerland	KZGW (mg/m ³)	42 mg/m ³
Switzerland	KZGW (ppm)	10 ppm

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ethyl acrylate (140-88-5)		
Canada (Quebec)	VECD (mg/m ³)	61 mg/m ³
Canada (Quebec)	VECD (ppm)	15 ppm
Canada (Quebec)	VEMP (mg/m ³)	20 mg/m ³
Canada (Quebec)	VEMP (ppm)	5 ppm
USA - ACGIH	ACGIH TWA (ppm)	5 ppm
USA - ACGIH	ACGIH STEL (ppm)	15 ppm
USA - IDLH	US IDLH (ppm)	300 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	100 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	25 ppm

Additional information	: Personal air monitoring :. Room air monitoring. Recommended monitoring procedures
8.2. Exposure controls	
Engineering measure(s)	: Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7 .
Personal protective equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Wear chemically resistant gloves (tested to EN374) . The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	: Use splash goggles when eye contact due to splashing is possible (EN 166)
Body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (EN 140). Full face mask (EN 136). Filter type: ABEK + P (EN 141). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Colour	: Dark amber.
Odour	: mild.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: > 450 °C
Flash point	: 425 °C (COC)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Flammability (solid, gas)	: Not applicable, liquid
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 0,9 (15°C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal processing. Reference to other sections: 10.4 & 10.5.

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

Keep away from heat. Safe handling: see section 7.

10.5. Incompatible materials

Strong oxidizing agents. Acids. Safe handling: see section 7.

10.6. Hazardous decomposition products

Reference to other sections: 5.2.

SECTION 11: Toxicological information


11.1. Information on toxicological effects

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

ethyl acrylate (140-88-5)	
LD50/oral/rat	550 mg/kg
LD50/dermal/rat	1250 mg/kg
LD50/dermal/rabbit	1790 mg/kg
LC50/inhalation/4h/rat (ppm)	1410 ppm/4h

Polysulfides, di-tert-Bu (68937-96-2)	
LD50/oral/rat	6500 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: No data available
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: No data available
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)

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Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met.)
Other information	: Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Harmful to aquatic life with long lasting effects.

ethyl acrylate (140-88-5)	
LC50 fish 1	4,6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	7,9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	2,31 - 2,7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
Polysulfides, di-tert-Bu (68937-96-2)	
LC50 fish 1	250 - 500 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])

12.2. Persistence and degradability

Racing Gear Lube 85w90	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Racing Gear Lube 85w90	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.
ethyl acrylate (140-88-5)	
Partition coefficient n-octanol/water	1,18 (at 25 °C)

12.4. Mobility in soil

Racing Gear Lube 85w90	
Mobility in soil	No data available

12.5. Results of PBT and vPvB assessment

Racing Gear Lube 85w90	
Results of PBT assessment	No data available


12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Do not allow to enter into surface water or drains. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.
Additional information	: Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
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
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

Code: IBC : No data available.


SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Racing Gear Lube 85w90 - Polysulfides, di-tert-Bu - Alkoxylated long-chain alkyl amine - Long-chain alkenyl amine - Sulfonic acids, petroleum, calcium salts, overbased
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	ethyl acrylate

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3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	ethyl acrylate - Polysulfides, di-tert-Bu - Alkoxyated long-chain alkyl amine - Long-chain alkenyl amine
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	ethyl acrylate - Polysulfides, di-tert-Bu - Alkoxyated long-chain alkyl amine - Sulfonic acids, petroleum, calcium salts, overbased
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	ethyl acrylate

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

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 : Polysulfides, di-tert-Bu, Alkoxyated long-chain alkyl amine, Long-chain alkenyl amine, Sulfonic acids, petroleum, calcium salts, overbased are listed

SZW-lijst van mutagene stoffen : Polysulfides, di-tert-Bu, Sulfonic acids, petroleum, calcium salts, overbased are 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 : Alkoxyated long-chain alkyl amine, Long-chain alkenyl amine are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Alkoxyated long-chain alkyl amine, Long-chain alkenyl amine are listed

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out
Polysulfides, di-tert-Bu


SECTION 16: Other information

Indication of changes:

1.1	Product code	Modified	
16	Other information	Modified	

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek
ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect level


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	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : European Chemicals Agency, LOLI, <http://www.echemportal.org> MSDS, supplier datasheet sds.

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Acute Not classified	Hazardous to the aquatic environment - Acute Hazard Not classified
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
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, hazard category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.

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H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.
EUH208	Contains Polysulfides, di-tert-Bu, Alkoxyated long-chain alkyl amine. May produce an allergic reaction.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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