

PRODUCT DATA SHEET

GEAR OIL 75W-80

Description:

High quality paraffinic base oils based EP (extreme pressure), rust and corrosion prevention with the latest technology are produced by adding a special additive package.

Performance Features and Benefits:

- Prevents metal to metal contact,
- Very good thermal resistance,
- Minimum viscosity change, optimum film capability,
- Bronze alloys corrosion protection,
- Long service life,
- Economy in the cost of lubrication,
- Additive which prevents wear and extreme pressure (EP) additive, includes a gear system maintains very good fittings

Application:

Cars, trucks, buses, light commercial vehicles, agricultural vehicles and machines as well as many tool in the gearbox and differential, spiral bevel, hypoid gear system used in the four seasons.

Performance specifications:

API: GL-5 meet the performance specifications.

- MAN 341 Typ Z4
- ZF TE-ML 01L
- ZF TE-ML 02L

Typical Characteristics:

| TEST | METHOD | TYPICAL PROPERTIES |
|---------------------------------------|------------|--------------------|
| Density, g/cm ³ , at 15°C | ASTM D4052 | 0,881 |
| Kinematic Viscosity, cSt, at 40°C | ASTM D445 | 54,5 |
| Kinematic Viscosity, cSt, at 100°C | ASTM D445 | 10,6 |
| Brookfield Viscosity, @ -40 °C, mPa•s | ASTM D2983 | 80000 |
| Viscosity Index | ASTM D2270 | 194 |
| Flash Point, °C, min | ASTM D92 | 227 |
| Pour Point, °C, max | ASTM D97 | -33 |

* The values specified in the table are typical values and may vary based on production.

GEAR OIL GL 5 SAE 75W80 Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024 Version: 13.3

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

1.1. Product identifier

Product form : Mixture
Product name : GEAR OIL GL 5 SAE 75W80
Product code : 2300
Type of product : CMO
Product group : Blend

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
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
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

FACO PETROL KİMYA SANAYİ DİŞ TİCARET LTD. ŞTİ.

Center Office: Siteler Mh. 492 Sk. No: 1/A My Vista Smart Aliağa/İZMİR/TÜRKİYE

info@cosmomotoroil.com / www.cosmomotoroil.com

Phone: +90 552 222 6766

1.4. Emergency telephone number

Emergency number : +90 552 222 6766

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|--------------|---|---|--|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Israel | Israel Poison Information Center Rambam Health Care Campus | 6 Ha'Aliya Street 31096 | +972 4 854 1900 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital Msida MSD 2090 | +356 2545 6508 | |
| Sweden | Giftinformationscentralen | Box 60 500 171 76 Stockholm | 112 – begär Giftinformation +46 10 456 6700 (Från utlandet) | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

| | | |
|--------------------------------|---|--|
| Signal word (CLP) | : | - |
| Contains | : | Polysulphides, di-tert-Bu; Phosphoric acid ester amine salt ; (Z)-N-octadecenylpropane-1,3-diamine; (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines |
| 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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ 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

Comments : The mineral oils in the product contain < 3% DMSO extract (IP 346)

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------------|--|------------|---|
| Polysulphides, di-tert-Bu | CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515-43 | 1 – 4.5 | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| Phosphoric acid ester amine salt | EC-No.: 931-384-6 REACH-no: 01-2119493620-38 | 0.1 – 0.9 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| (Z)-N-octadecenylpropane-1,3-diamine | CAS-No.: 7173-62-8 EC-No.: 230-528-9 REACH-no: 01-2119487002-46 | 0.1 – 0.15 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|--------------|--|
| (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | CAS-No.: 1213789-63-9 EC-No.: 627-034-4 REACH-no: 01-2119473797-19 | 0.01 – 0.015 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) |

| Specific concentration limits: | | |
|--|--|---|
| Name | Product identifier | Specific concentration limits (%) |
| Polysulphides, di-tert-Bu | CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515-43 | (46 ≤ C < 100) Skin Sens. 1B, H317 |
| Phosphoric acid ester amine salt | EC-No.: 931-384-6 REACH-no: 01-2119493620-38 | (9.39 ≤ C < 100) Skin Sens. 1, H317 (50.01 ≤ C < 100) Eye Irrit. 2, H319 |
| (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | CAS-No.: 1213789-63-9 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 | : Not expected to require first aid measures. |
| First-aid measures after skin contact | : Wash skin with mild soap and water. |
| First-aid measures after eye contact | : In case of eye contact, immediately rinse with clean water for 10-15 minutes. |
| First-aid measures after ingestion | : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : Not expected to present a significant skin hazard under anticipated conditions of normal use. |
| Symptoms/effects after eye contact | : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. |
| Symptoms/effects after ingestion | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water fog. Foam. Powder. Dry chemical product. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- | | |
|--------------------------------|---|
| Precautionary measures fire | : Exercise caution when fighting any chemical fire. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|---|

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|---|

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Impound and recover large spill by mixing it with inert granular solids. |
| Methods for cleaning up | : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr. |
| Other information | : Spill area may be slippery. Use suitable disposal containers. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|---|
| Precautions for safe handling | : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. |
| Handling temperature | : < 40 °C |
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|---------------------|---|
| Storage temperature | : ≤ 40 °C |
| Storage area | : Store in dry, cool, well-ventilated area. |

Germany

- | | |
|-------------------------------|--|
| Storage class (LGK, TRGS 510) | : LGK 10-13 - Other combustible and non-combustible substances |
|-------------------------------|--|

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

No additional information available

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

Additional information

: 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------|
| Physical state | : Liquid |
| Colour | : brown. |
| Appearance | : Oily liquid. |
| Odour | : Characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not available |

| | |
|---|---|
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 180 °C (ASTM D92) |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : 49.6 mm ² /s @40°C (ASTM D445) |
| Solubility | : Slightly soluble, the product remains on the water surface. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 880 kg/m ³ @15°C (ASTM D4052) |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizers. acids. Bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|---------------|-----------------------------------|
| LD50 oral rat | 1689 mg/kg OECD 401 - read across |
|---------------|-----------------------------------|

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |

| | |
|------------------------|------------------|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

| | |
|------------------------|------------------|
| STOT-repeated exposure | : Not classified |
|------------------------|------------------|

Phosphoric acid ester amine salt

| | |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day @28d (OECD 407) |
|----------------------------|--|

(Z)-N-octadecenylpropane-1,3-diamine (7173-62-8)

| | |
|------------------------|---|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
|------------------------|---|

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

| | |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

GEAR OIL GL 5 SAE 75W80

| | |
|----------------------|---|
| Viscosity, kinematic | 49.6 mm ² /s @40°C (ASTM D445) |
|----------------------|---|

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) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|----------------------|------------|
| EC50 - Crustacea [1] | 63 mg/l |
| EC50 72h - Algae [2] | > 100 mg/l |

Phosphoric acid ester amine salt

| | |
|------------------------|--|
| LC50 - Fish [1] | 24 mg/l Oncorhynchus mykiss |
| LC50 - Fish [2] | 8.5 mg/l Pimephales promelas |
| EC50 - Crustacea [1] | 91.4 mg/l Daphnia magna |
| EC50 96h - Algae [1] | 6.4 mg/l Selenastrum capricornutum |
| NOEC (chronic) | 3.2 mg/l Oncorhynchus mykiss @4d |
| NOEC chronic crustacea | 0.12 mg/l Daphnia magna @21d |
| NOEC chronic algae | 1.7 mg/l Selenastrum capricornutum @4d |

(Z)-N-octadecenylpropane-1,3-diamine (7173-62-8)

| | |
|----------------------|--------------------------------|
| LC50 - Fish [1] | > 0.1 mg/l (Brachydanio rerio) |
| EC50 - Crustacea [1] | > 0.01 mg/l (Daphnia magna) |
| EC50 72h - Algae [1] | > 0.01 mg/l |

(Z)-N-octadecenylpropane-1,3-diamine (7173-62-8)

| | |
|------------------------|-----------------------------------|
| NOEC chronic crustacea | > 0.001 mg/l @21d (Daphnia magna) |
|------------------------|-----------------------------------|

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|------------------------------------|---------------------------------------|
| LC50 - Fish [1] | 0.11 mg/l (Pimephales promelas) |
| LC50 - Fish [2] | 1.3 mg/l (Oncorhynchus mykiss) |
| LC50 - Other aquatic organisms [1] | 0.9 mg/l (Cyprinodon variegatus) |
| EC50 - Crustacea [1] | 0.011 mg/l (Daphnia Magna) |
| EC50 72h - Algae [1] | > 0.13 mg/l (Desmodesmus subspicatus) |
| NOEC chronic crustacea | 0.013 mg/l (Daphnia magna @21d) |
| NOEC chronic algae | 0.01 mg/l |

12.2. Persistence and degradability

GEAR OIL GL 5 SAE 75W80

| | |
|-------------------------------|--|
| Persistence and degradability | Not soluble in water, so only minimally biodegradable. |
|-------------------------------|--|

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|-------------------------------|----------------------|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 13 % % @OECD TG @28d |

Phosphoric acid ester amine salt

| | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Rapidly degradable |
| BOD (% of ThOD) | 3.6 % ThOD @28d inherent sediment |
| Biodegradation | 7.4 % Sturm (28d) OECD TG 301B |

(Z)-N-octadecenylpropane-1,3-diamine (7173-62-8)

| | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 6 |
|---|---|

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines (1213789-63-9)

| | |
|---|-------|
| Bioconcentration factor (BCF REACH) | > 500 |
| Partition coefficient n-octanol/water (Log Pow) | 4.33 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number or ID number

Not regulated for transport

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

| | |
|----------------------|------------------|
| Packing group (ADR) | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

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. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

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

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains 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)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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

Germany

| | |
|--|---|
| Water hazard class (WGK) | : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). |
| List of sensitizing substances (TRGS 907) | : Contains sensitizing substances according TRGS 907. |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV) |

Netherlands

| | |
|---|---------------------------------------|
| SZW-lijs van kankerverwekkende stoffen | : Polysulphides, di-tert-Bu is listed |
| SZW-lijs van mutagene stoffen | : Polysulphides, di-tert-Bu is listed |
| SZW-lijs van reprotoxische stoffen – Borstvoeding | : None of the components are listed |
| SZW-lijs van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed |
| SZW-lijs van reprotoxische stoffen – Ontwikkeling | : None of the components are listed |

Denmark

Danish National Regulations

: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

| Indication of changes | | | |
|-----------------------|----------------------|----------|----------|
| Section | Changed item | Change | Comments |
| | Revision date | Modified | |
| | Supersedes | Modified | |
| 9.1 | Flash point | Modified | |
| 9.1 | Density | Modified | |
| 9.1 | Viscosity, kinematic | Modified | |

| Abbreviations and acronyms: | |
|-----------------------------|--|
| | ACGIH: American Conference of Governmental Industrial Hygienists |
| | TWA: Time Weighted Average |
| | TLV: Threshold Limit Value |
| | ASTM: American Society for Testing and Materials |
| | ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route |
| | RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail |
| | ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| | IMDG: International Maritime Dangerous Goods |
| | ICAO: International Civil Aviation Organization |
| | IATA: International Air Transport Association |
| | STEL: Short Term Exposure Limit |
| | LD50: median Lethal Dose for 50% of subjects |
| | ATE: acute toxicity estimate |
| | LC50: median Lethal Concentration for 50% of subjects |
| | EC50: concentration producing 50% effect |

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:

| | |
|---------------------|--|
| 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 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| 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.