

Page 1 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

# **1.1 Product identifier**

# **Top Tec MTF 5100 75W**

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture:
Gear lubricant
Uses advised against:
No information available at present.

# 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

# 1.4 Emergency telephone number Emergency information services / official advisory body:

**Telephone number of the company in case of emergencies:** +49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

# **SECTION 2: Hazards identification**

# 2.1 Classification of the substance or mixtureClassification according to Regulation (EC) 1272/2008 (CLP)Hazard classHazard categoryHazard statementAquatic Chronic3H412-Harmful to act

H412-Harmful to aquatic life with long lasting effects.

# 2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)

H412-Harmful to aquatic life with long lasting effects.

P273-Avoid release to the environment.

P501-Dispose of contents / container to an approved waste disposal facility.

2.3 Other hazards



Page 2 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

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

# 3.1 Substances

n.a. 3.2 Mixtures

ആ

| C16-18-(even numbered, saturated and unsaturated)-alkylamines          |  |
|--|--|
| Registration number (REACH)  | 01-2119473797-19-XXXX                                  |
| Index  |  |
| EINECS, ELINCS, NLP, REACH-IT List-No.                                 | 627-034-4  |
| CAS  | 1213789-63-9   |
| content %  | 0,025-<0,25  |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302                                     |
|  | Skin Corr. 1B, H314                                    |
|  | Eye Dam. 1, H318                                       |
|  | STOT SE 3, H335  |
|  | STOT RE 2, H373 (gastrointestinal tract, liver, immune |
|  | system) (oral)   |
|  | Asp. Tox. 1, H304                                      |
|  | Aquatic Acute 1, H400 (M=10)                           |
|  | Aquatic Chronic 1, H410 (M=10)                         |

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eve contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Indestion

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

# **SECTION 5: Firefighting measures**



Page 3 of 12

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

# 5.1 Extinguishing media

Suitable extinguishing media CO2 Foam Dry extinguisher Water mist

#### Unsuitable extinguishing media High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon Toxic gases

#### 5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

#### SECTION 6: Accidental release measures

# 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

# 6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

#### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

# 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13. Fill the absorbed material into lockable containers.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

# **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.

Avoid formation of oil mist.

Avoid contact with eyes or skin. Do not carry cleaning cloths soaked in product in trouser pockets.

Do not heat to temperatures close to flash point.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.



Page 4 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

# Use working methods according to operating instructions. 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing. Under all circumstances prevent penetration into the soil.

Store at room temperature.

Store in a dry place.

അ

#### 7.3 Specific end use(s)

No information available at present.

#### SECTION 8: Exposure controls/personal protection

# 8.1 Control parameters

| Chemical Name                  | Oil mist, mineral |                                    |                    | Content %: |
|--------------------------------|-------------------|------------------------------------|--------------------|------------|
| WEL-TWA: 5 mg/m3 (Mineral oil, | excluding metal   | WEL-STEL:                          |                    |            |
| working fluids, ACGIH)         |                   |                                    |                    |            |
| Monitoring procedures:         | -                 | Draeger - Oil Mist 1/a (67 33 031) |                    |            |
| BMGV:                          |                   |                                    | Other information: |            |

| Area of application | Exposure route /   | Effect on health            | Descriptor | Value | Unit            | Note |
|---------------------|--|-----------------------------|------------|-------|-----------------|------|
|                     | Environmental  |                             |            |       |                 |      |
|                     | compartment  |                             |            |       |                 |      |
|                     | Environment - freshwater                                   |                             | PNEC       | 0,26  | µg/l            |      |
|                     | Environment - marine                                       |                             | PNEC       | 0,026 | µg/l            |      |
|                     | Environment - sediment,<br>freshwater                      |                             | PNEC       | 3,76  | mg/kg dw        |      |
|                     | Environment - sediment,<br>marine                          |                             | PNEC       | 0,376 | mg/kg dw        |      |
|                     | Environment - soil   |                             | PNEC       | 10    | mg/kg dw        |      |
|                     | Environment - sewage<br>treatment plant                    |                             | PNEC       | 550   | µg/l            |      |
|                     | Environment - water,<br>sporadic (intermittent)<br>release |                             | PNEC       | 1,6   | µg/l            |      |
| Consumer            | Human - oral   | Long term, systemic effects | DNEL       | 0,04  | mg/kg<br>bw/day |      |
| Workers / employees | Human - dermal   | Long term, systemic effects | DNEL       | 0,09  | mg/kg           |      |

| Distillates (petroleum), hydrotreated heavy paraffinic |                            |                  |            |       |            |      |  |
|--|----------------------------|------------------|------------|-------|------------|------|--|
| Area of application                                    | Exposure route /           | Effect on health | Descriptor | Value | Unit       | Note |  |
|  | Environmental              |                  |            |       |            |      |  |
|  | compartment                |                  |            |       |            |      |  |
|  | Environment - oral (animal |                  | PNEC       | 9,33  | mg/kg feed |      |  |
|  | feed)                      |                  |            |       |            |      |  |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).



Page 5 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

# 8.2 Exposure controls

ആ

# 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

# 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

Skin protection - Hand protection: Protective gloves, oil resistant (EN ISO 374). If applicable Protective nitrile gloves (EN ISO 374). Protective gloves made of polyvinyl alcohol (EN ISO 374).

Protective Viton® / fluoroelastomer gloves (EN ISO 374).

Minimum layer thickness in mm:

>= 0,5

Permeation time (penetration time) in minutes:

>= 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: Normally not necessary. With oil mist formation: Filter A2 P2 (EN 14387), code colour brown, white Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.



Page 6 of 12

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

# 8.2.3 Environmental exposure controls

No information available at present.

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

Liquid

#### 9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower explosion limit: Upper explosion limit: Flash point: Auto-ignition temperature: Decomposition temperature: pH: Kinematic viscosity: Kinematic viscosity: Solubility: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Relative vapour density: Particle characteristics:

#### 9.2 Other information

Explosives: Oxidising liquids: Brown Characteristic There is no information available on this parameter. There is no information available on this parameter. Flammable There is no information available on this parameter. There is no information available on this parameter. 224 °C There is no information available on this parameter. There is no information available on this parameter. Mixture is non-soluble (in water). 33,1 mm2/s (40°C) 6 mm2/s (100°C) Insoluble Does not apply to mixtures. There is no information available on this parameter. 0.855 g/ml There is no information available on this parameter.

There is no information available on this parameter. Does not apply to liquids.

There is no information available on this parameter. There is no information available on this parameter.

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

#### **10.1 Reactivity**

# The product has not been tested.

**10.2 Chemical stability** Stable with proper storage and handling.

# 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

# 10.4 Conditions to avoid

Strong heat

#### **10.5 Incompatible materials**

Avoid contact with strong oxidizing agents. Avoid contact with strong alkalis. Avoid contact with strong acids.

#### 10.6 Hazardous decomposition products

No decomposition when used as directed.

# **SECTION 11: Toxicological information**

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

Possibly more information on health effects, see Section 2.1 (classification).

| Toxicity / effect                | Endpoint | Value | Unit | Organism | Test method | Notes  |
|----------------------------------|----------|-------|------|----------|-------------|--------|
| Acute toxicity, by oral route:   |          |       |      |          |             | n.d.a. |
| Acute toxicity, by dermal route: |          |       |      |          |             | n.d.a. |
| Acute toxicity, by inhalation:   |          |       |      |          |             | n.d.a. |
| Skin corrosion/irritation:       |          |       |      |          |             | n.d.a. |
| Serious eye damage/irritation:   |          |       |      |          |             | n.d.a. |



| Page 7 of 12                                       |                |   |            |             |                          |                   |
|--|----------------|---|------------|-------------|--------------------------|-------------------|
| Safety data sheet according to Re                  | egulation (EC) | No 1907/2006                            | , Annex II |             |                          |                   |
| Revision date / version: 11.03.20                  |                |   |            |             |                          |                   |
| Replacing version dated / versior                  | n: 01.11.2021  | / 0007                                  |            |             |                          |                   |
| Valid from: 11.03.2022                             |                |   |            |             |                          |                   |
| PDF print date: 11.03.2022                         |                |   |            |             |                          |                   |
| Top Tec MTF 5100 75W                               |                |   |            |             |                          |                   |
|  | 1              | 1                                       |            | 1           |                          |                   |
| Respiratory or skin                                |                |   |            |             |                          | n.d.a.            |
| sensitisation:                                     |                |   |            |             |                          |                   |
| Germ cell mutagenicity:                            |                |   |            |             |                          | n.d.a.            |
| Carcinogenicity:                                   |                |   |            |             |                          | n.d.a.            |
| Reproductive toxicity:                             |                |   |            |             |                          | n.d.a.            |
| Specific target organ toxicity -                   |                |   |            |             |                          | n.d.a.            |
| single exposure (STOT-SE):                         |                |   |            |             |                          |                   |
| Specific target organ toxicity -                   |                |   |            |             |                          | n.d.a.            |
| repeated exposure (STOT-RE):<br>Aspiration hazard: |                |   |            |             |                          |                   |
|  |                |   |            |             |                          | n.d.a.            |
| Symptoms:  |                |   |            |             |                          | n.d.a.            |
| C16-18-(even numbered, satura                      | tod and unea   | turated)-alkyl                          | aminos     |             |                          |                   |
| Toxicity / effect                                  | Endpoint       | Value                                   | Unit       | Organism    | Test method              | Notes             |
| Acute toxicity, by oral route:                     | LD50           | 1689                                    | mg/kg      | Rat         | OECD 401 (Acute Oral     | Notes             |
| Acute toxicity, by oral route.                     | LDSU           | 1005                                    | ing/kg     | - Nat       | Toxicity)                |                   |
| Acute toxicity, by dermal route:                   | LD50           | >2000                                   | mg/kg      | Rat         | OECD 402 (Acute          | Analogous         |
|  | LDOO           | 2000                                    | iiig/itg   |             | Dermal Toxicity)         | conclusion        |
| Acute toxicity, by inhalation:                     | LD50           | >0,099                                  | ppmV/4h    | Rat         | OECD 403 (Acute          | Analogous         |
|  |                | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | PP,        |             | Inhalation Toxicity)     | conclusion,       |
|  |                |   |            |             |                          | Aerosol           |
| Skin corrosion/irritation:                         |                |   |            | Rabbit      | OECD 404 (Acute          | Skin Corr. 1B     |
|  |                |   |            |             | Dermal                   | 0                 |
|  |                |   |            |             | Irritation/Corrosion)    |                   |
| Serious eye damage/irritation:                     |                |   |            | Rabbit      | OECD 405 (Acute Eye      | Eye Dam. 1,       |
|  |                |   |            |             | Irritation/Corrosion)    | Analogous         |
|  |                |   |            |             | ,                        | conclusion        |
| Respiratory or skin                                |                |   |            | Guinea pig  | OECD 406 (Skin           | No (skin          |
| sensitisation:                                     |                |   |            |             | Sensitisation)           | contact),         |
|  |                |   |            |             | ,                        | Analogous         |
|  |                |   |            |             |                          | conclusion        |
| Germ cell mutagenicity:                            |                |   |            | Salmonella  | OECD 471 (Bacterial      | Negative,         |
| - · ·  |                |   |            | typhimurium | Reverse Mutation Test)   | Analogous         |
|  |                |   |            |             |                          | conclusion        |
| Germ cell mutagenicity:                            |                |   |            |             | OECD 476 (In Vitro       | Negative          |
|  |                |   |            |             | Mammalian Cell Gene      |                   |
|  |                |   |            |             | Mutation Test)           |                   |
| Reproductive toxicity (Effects                     | NOAEL          | 12,5                                    | mg/kg      | Rat         | OECD 421                 | Negative,         |
| on fertility):                                     |                |   |            |             | (Reproduction/Developm   | Analogous         |
|  |                |   |            |             | ental Toxicity Screening | conclusion        |
|  |                |   |            |             | Test)                    |                   |
| Specific target organ toxicity -                   |                |   |            |             |                          | Irritation of the |
| single exposure (STOT-SE):                         |                |   |            |             |                          | respiratory tract |
|  |                |   |            |             |                          | STOT SE 3,        |
|  |                |   |            |             |                          | H335              |
| Specific target organ toxicity -                   | NOAEL          | 3,25                                    | mg/kg/d    | Rat         | OECD 407 (Repeated       | Target organ(s)   |
| repeated exposure (STOT-RE),                       |                |   |            |             | Dose 28-Day Oral         | gastrointestinal  |
| oral:  |                |   |            |             | Toxicity Study in        | tract, liver,     |
|  |                |   |            |             | Rodents)                 | immune system     |
| Aspiration hazard:                                 |                |   |            |             |                          | Yes               |

# 11.2. Information on other hazards

| Toxicity / effect                | Endpoint | Value | Unit | Organism | Test method | Notes           |
|----------------------------------|----------|-------|------|----------|-------------|-----------------|
| Endocrine disrupting properties: |          |       |      |          |             | Does not apply  |
|                                  |          |       |      |          |             | to mixtures.    |
| Other information:               |          |       |      |          |             | No other        |
|                                  |          |       |      |          |             | relevant        |
|                                  |          |       |      |          |             | information     |
|                                  |          |       |      |          |             | available on    |
|                                  |          |       |      |          |             | adverse effects |
|                                  |          |       |      |          |             | on health.      |



Page 8 of 12

GB)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

# **SECTION 12: Ecological information**

| Top Tec MTF 5100 75W       |          |      |       |      |          |             |                |
|----------------------------|----------|------|-------|------|----------|-------------|----------------|
| Toxicity / effect          | Endpoint | Time | Value | Unit | Organism | Test method | Notes          |
| 12.1. Toxicity to fish:    |          |      |       |      |          |             | n.d.a.         |
| 12.1. Toxicity to daphnia: |          |      |       |      |          |             | n.d.a.         |
| 12.1. Toxicity to algae:   |          |      |       |      |          |             | n.d.a.         |
| 12.2. Persistence and      |          |      |       |      |          |             | n.d.a.         |
| degradability:             |          |      |       |      |          |             |                |
| 12.3. Bioaccumulative      |          |      |       |      |          |             | n.d.a.         |
| potential:                 |          |      |       |      |          |             |                |
| 12.4. Mobility in soil:    |          |      |       |      |          |             | n.d.a.         |
| 12.5. Results of PBT       |          |      |       |      |          |             | n.d.a.         |
| and vPvB assessment        |          |      |       |      |          |             |                |
| 12.6. Endocrine            |          |      |       |      |          |             | Does not apply |
| disrupting properties:     |          |      |       |      |          |             | to mixtures.   |
| 12.7. Other adverse        |          |      |       |      |          |             | No information |
| effects:                   |          |      |       |      |          |             | available on   |
|                            |          |      |       |      |          |             | other adverse  |
|                            |          |      |       |      |          |             | effects on the |
|                            |          |      |       |      |          |             | environment.   |

| C16-18-(even numbered                | saturated and | l unsaturate | d)-alkylami | nes  |                            |  |                          |
|--------------------------------------|---------------|--------------|-------------|------|----------------------------|--|--------------------------|
| Toxicity / effect                    | Endpoint      | Time         | Value       | Unit | Organism                   | Test method  | Notes                    |
| 12.1. Toxicity to fish:              | LL50          | 96h          | 0,06        | mg/l | Pimephales<br>promelas     |  | EPA OPPTS<br>850.1085    |
| 12.1. Toxicity to daphnia:           | EL50          | 48h          | 0,011       | mg/l | Daphnia magna              | OECD 202<br>(Daphnia sp.<br>Acute<br>Immobilisation<br>Test)   |                          |
| 12.1. Toxicity to algae:             | EC50          | 72h          | 0,46        | mg/l | Desmodesmus<br>subspicatus | OECD 201 (Alga,<br>Growth Inhibition<br>Test)  |                          |
| 12.1. Toxicity to algae:             | EL50          | 96h          | 0,04        | mg/l | Selenastrum capricornutum  |  |                          |
| 12.2. Persistence and degradability: |               | 28d          | 66          | %    | activated sludge           | OECD 301 B<br>(Ready<br>Biodegradability -<br>Co2 Evolution<br>Test)                                       | Readily<br>biodegradable |
| Toxicity to bacteria:                | EL50          | 3h           | 32          | mg/l | activated sludge           | OECD 209<br>(Activated Sludge,<br>Respiration<br>Inhibition Test<br>(Carbon and<br>Ammonium<br>Oxidation)) | Analogous<br>conclusion  |

# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils



Page 9 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

Recommendation:

അ

Sewage disposal shall be discouraged. Pay attention to local and national official regulations. Observe regulations for disposal of old oil/waste. E.g. suitable incineration plant.

# For contaminated packing material

Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

# **SECTION 14: Transport information**

| General statements  |                   |
|---|-------------------|
| 14.1. UN number or ID number:                                     | n.a.              |
| Transport by road/by rail (ADR/RID)                               |                   |
| 14.2. UN proper shipping name:                                    |                   |
| 14.3. Transport hazard class(es):                                 | n.a.              |
| 14.4. Packing group:  | n.a.              |
| Classification code:  | n.a.              |
| LQ:   | n.a.              |
| 14.5. Environmental hazards:                                      | Not applicable    |
| Tunnel restriction code:  |                   |
|   |                   |
| Transport by sea (IMDG-code)                                      |                   |
| 14.2. UN proper shipping name:                                    |                   |
| 14.3. Transport hazard class(es):                                 | n.a.              |
| 14.4. Packing group:  | n.a.              |
| Marine Pollutant:   | n.a               |
| 14.5. Environmental hazards:                                      | Not applicable    |
| Transport by air (IATA)   |                   |
| 14.2. UN proper shipping name:                                    |                   |
| 14.3. Transport hazard class(es):                                 | n.a.              |
| 14.4. Packing group:  | n.a.              |
| 14.5. Environmental hazards:                                      | Not applicable    |
| 14.6. Special precautions for user                                |                   |
| Unless specified otherwise, general measures for safe transport m | nust be followed. |

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

**SECTION 15: Regulatory information** 

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

Observe restrictions: Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

0 %

# **15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

# **SECTION 16: Other information**

Revised sections:

These details refer to the product as it is delivered. Employee instruction/training in handling hazardous materials is required.

3, 8, 11, 12, 15

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):



Page 10 of 12

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

| Classification in accordance with regulation<br>(EC) No. 1272/2008 (CLP) | Evaluation method used                             |
|--|--|
| Aquatic Chronic 3, H412  | Classification according to calculation procedure. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Aquatic Chronic - Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - oral

Skin Corr. — Skin corrosion

Eye Dam. — Serious eye damage

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

 $\mathsf{STOT}\,\mathsf{RE}-\mathsf{Specific}\,\mathsf{target}\,\mathsf{organ}\,\mathsf{toxicity}\,\text{-}\,\mathsf{repeated}\,\mathsf{exposure}$ 

Asp. Tox. — Aspiration hazard

Aquatic Acute — Hazardous to the aquatic environment - acute

#### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

# Any abbreviations and acronyms used in this document:

acc., acc. to according, according to Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the ADR International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately Article number Art., Art. no. ASTM ASTM International (American Society for Testing and Materials) Acute Toxicity Estimate ATE Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAM BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BSEF The International Bromine Council body weight bw **Chemical Abstracts Service** CAS CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level

DOC Dissolved organic carbon



ആ Page 11 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) European Community FC ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances ΕN European Norms United States Environmental Protection Agency (United States of America) EPA  $ErCx, E\mu Cx, ErLx (x = 10, 50)$ Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) et cetera etc. European Union EU EVAL Ethylene-vinyl alcohol copolymer Fax number Fax. aen. general Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc octanol-water partition coefficient Kow IARC International Agency for Research on Cancer IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population LD50 Lethal Dose to 50% of a test population (Median Lethal Dose) Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient Limited Quantities 10 MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. not available n.av. n.c. not checked no data available n.d.a. NIOSH National Institute for Occupational Safety and Health (USA) NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level OECD Organisation for Economic Co-operation and Development organic org. OSHA Occupational Safety and Health Administration (USA) PBT persistent, bioaccumulative and toxic PF Polyethylene PNEC Predicted No Effect Concentration parts per million ppm PVC Polyvinylchloride REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone TOC Total organic carbon UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VOC Volatile organic compounds vPvB very persistent and very bioaccumulative wet weight wwt The statements made here should describe the product with regard to the necessary safety precautions - they are



œ) Page 12 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.03.2022 / 0008 Replacing version dated / version: 01.11.2021 / 0007 Valid from: 11.03.2022 PDF print date: 11.03.2022 Top Tec MTF 5100 75W

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.