

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**SRS Getriebefluid HGS 75W-90**

Revision date: 05.03.2024

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

SRS Getriebefluid HGS 75W-90

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

gear oil

**Uses advised against**

No information available.

**1.3. Details of the supplier of the safety data sheet**

Company name: SRS Schmierstoff Vertrieb GmbH  
Street: Neuenkirchener Straße 8  
Place: D-48497 Salzbergen  
Telephone: 05976 - 945-0  
Responsible Department: Abt. Produktsicherheit: info.reach@srs-oil.de

**1.4. Emergency telephone number:**

Gift-Informationszentrum Nord (Göttingen) - Telefon 0551-19240

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**P273 Avoid release to the environment.  
P501 On basis of test data and / or calculated and / or estimated.**Special labelling of certain mixtures**EUH208 Contains methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.  
May produce an allergic reaction.**2.3. Other hazards**

This mixture contains no substances of very high concern (SVHC) (&gt;0,1%) which are included in the Candidate List according to Article 59 of REACH.

For information or further instructions, see also section 11 or 12.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

| CAS No     | Chemical name  | Quantity |          |             |
|------------|--|----------|----------|-------------|
|            | EC No  | Index No | REACH No |             |
|            | Classification (Regulation (EC) No 1272/2008)                                    |          |          |             |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified |          |          | 65 - < 70 % |



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|--------------|--|--------------|------------------|---------------|
|              | 265-159-2  | 649-469-00-9 | 01-2119480132-48 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 68037-01-4   | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated  |              |                  | 10 - < 12 %   |
|              | 500-183-1  |              | 01-2119486452-34 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
|              | Mineral Oil* (64742-54-7, 64742-65-0, 64742-56-9)  |              |                  | 7 - < 10 %    |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 80-62-6      | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*  |              |                  | 0.2 - < 0.3 % |
|              | 201-297-1  | 607-035-00-6 |                  |               |
|              | Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335  |              |                  |               |
| 68955-53-3   | Amines, C12-14-tert-alkyl  |              |                  | 0.1 - < 0.2 % |
|              | 701-175-2  |              | 01-2119456798-18 |               |
|              | Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H302 H314 H317 H400 H410 |              |                  |               |
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines   |              |                  | < 0.1 %       |
|              | 627-034-4  |              | 01-2119473797-19 |               |
|              | Acute Tox. 4, Skin Corr. 1B, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H335 H373 H304 H400 H410         |              |                  |               |

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

## Specific Conc. Limits, M-factors and ATE

| CAS No       | EC No  | Chemical name  | Quantity      |
|--------------|--|--|---------------|
|              | Specific Conc. Limits, M-factors and ATE   |  |               |
| 64742-56-9   | 265-159-2  | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified       | 65 - < 70 %   |
|              | inhalation: LC50 = >5,53 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg   |  |               |
| 68037-01-4   | 500-183-1  | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated                | 10 - < 12 %   |
|              | inhalation: LC50 = >5,2 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg  |  |               |
| 80-62-6      | 201-297-1  | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*          | 0.2 - < 0.3 % |
|              | inhalation: LC50 = 29,8 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 8400 mg/kg  |  |               |
| 68955-53-3   | 701-175-2  | Amines, C12-14-tert-alkyl  | 0.1 - < 0.2 % |
|              | inhalation: LC50 = 1,19 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 251 mg/kg; oral: LD50 = 552 mg/kg Skin Sens. 1A; H317: >= 5 - 100 |  |               |
| 1213789-63-9 | 627-034-4  | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | < 0.1 %       |
|              | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1200 mg/kg Aquatic Acute 1; H400: M=10<br>Aquatic Chronic 1; H410: M=10  |  |               |

## Further Information

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London).

\*The mineral oil can be described by one or more EINECS numbers. 265-157-1, 265-169-7, 265-159-2, (REACH-no.: 01-2119484627-25, 01-2119471299-27, 01-2119480132-48)

\*\*Substance for which a community occupational exposure limit value applies in the European Union.



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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

###### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

###### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

###### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed or in the event of vomiting, risk of entering the lungs.

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

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

###### Unsuitable extinguishing media

High power water jet.

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

Burning produces heavy smoke.

In case of fire may be liberated: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>) Sulphur dioxide (SO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>)

##### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

###### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### General advice

Ventilate affected area.

Special danger of slipping by leaking/spilling product.

###### For non-emergency personnel

Wear personal protection equipment (refer to section 8).



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#### For emergency responders

No special measures are necessary.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

#### 6.3. Methods and material for containment and cleaning up

##### For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

##### For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

#### 6.4. Reference to other sections

No information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. ( See section 8. )

Avoid formation of oil dust.

#### Advice on protection against fire and explosion

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

Fire class B

#### Advice on general occupational hygiene

Clean skin thoroughly after working.

Do not put any product-impregnated cleaning rags into your trouser pockets.

#### Further information on handling

Do not breathe vapour/aerosol.

Avoid contact with eyes and skin.

General protection and hygiene measures: See section 8.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

#### Hints on joint storage

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances

#### Further information on storage conditions

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

| CAS No | Name of agent | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category | Origin |
|--------|---------------|-----|-------------------|---------------------|----------|--------|
|--------|---------------|-----|-------------------|---------------------|----------|--------|



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|---------|---------------------|-----|---|---------------|--|
| 80-62-6 | Methyl methacrylate | 50  | - | TWA (8 h)     |  |
|         |                     | 100 | - | STEL (15 min) |  |

## DNEL/DMEL values

| CAS No                   | Name of agent  | Exposure route | Effect   | Value                   |
|--------------------------|--|----------------|----------|-------------------------|
| 64742-56-9               | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified       |                |          |                         |
| Worker DNEL, long-term   |  | inhalation     | systemic | 2,73 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |  | inhalation     | local    | 5,58 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |  | dermal         | systemic | 0,97 mg/kg bw/day       |
| Consumer DNEL, long-term |  | inhalation     | local    | 1,19 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |  | oral           | systemic | 0,74 mg/kg bw/day       |
| 68955-53-3               | Amines, C12-14-tert-alkyl  |                |          |                         |
| Consumer DNEL, long-term |  | inhalation     | systemic | 2,5 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term |  | inhalation     | local    | 1,2 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   |  | inhalation     | systemic | 12,5 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |  | inhalation     | local    | 12,1 mg/m <sup>3</sup>  |
|                          |  |                |          |                         |
| 1213789-63-9             | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines |                |          |                         |
| Worker DNEL, long-term   |  | inhalation     | systemic | 0,38 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |  | inhalation     | local    | 1 mg/m <sup>3</sup>     |
| Worker DNEL, acute       |  | inhalation     | local    | 1 mg/m <sup>3</sup>     |
| Consumer DNEL, long-term |  | inhalation     | systemic | 0,035 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |  | oral           | systemic | 0,04 mg/kg bw/day       |

## PNEC values

| CAS No   | Name of agent  | Value        |
|--|--|--------------|
| 64742-56-9                                       | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified       |              |
| Secondary poisoning                              |  | 9,33 mg/kg   |
| 68955-53-3                                       | Amines, C12-14-tert-alkyl  |              |
| Freshwater                                       |  | 0,001 mg/l   |
| Freshwater (intermittent releases)               |  | 0,004 mg/l   |
| Marine water                                     |  | 0 mg/l       |
| Freshwater sediment                              |  | 2,14 mg/kg   |
| Marine sediment                                  |  | 0,214 mg/kg  |
| Secondary poisoning                              |  | 4,71 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |  | 0,635 mg/l   |
| Soil   |  | 0,428 mg/kg  |
| 1213789-63-9                                     | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines |              |
| Freshwater                                       |  | 0,00026 mg/l |

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| Freshwater (intermittent releases)               | 0,0016 mg/l   |
| Marine water                                     | 0,000026 mg/l |
| Freshwater sediment                              | 3,76 mg/kg    |
| Marine sediment                                  | 0,376 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) | 0,55 mg/l     |
| Soil   | 10 mg/kg      |

#### Additional advice on limit values

Air limit values:

Possibility of exposure to Aerosol (Mineral oil )

Limit value (TLV-TWA ) = 5 mg/ m3 - Source: ACGIH

Limit value (TLV-STEL ) = 10 mg/ m3 - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Safety goggles with side protection. In case of increased risk add protective face shield. EN 166

##### Hand protection

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 374/EN 388.

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.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Skin protection

Oil-resistant and hardly inflammable protective clothing.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

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.

#### Environmental exposure controls

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No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: liquid  
Colour: clear  
Odour: characteristic

**Test method**

Melting point/freezing point: No information available.  
Boiling point or initial boiling point and boiling range: No information available.  
Flammability: No information available.  
Lower explosion limits: No information available.  
Upper explosion limits: No information available.  
Flash point: 210 °C DIN EN ISO 2592  
Auto-ignition temperature: No information available.  
Decomposition temperature: No information available.  
pH-Value: No information available.  
Viscosity / kinematic: 75,8 mm<sup>2</sup>/s DIN EN ISO 3104  
(at 40 °C)  
Water solubility: practically insoluble  
Solubility in other solvents: No information available.  
Partition coefficient n-octanol/water: No information available.  
Vapour pressure: <0,1 hPa calculated.  
(at 20 °C)  
Vapour pressure: No information available.  
(at 50 °C)  
Density (at 15 °C): 0,879 g/cm<sup>3</sup> DIN 51757  
Bulk density: No information available.  
Relative vapour density: No information available.  
Particle characteristics: No information available.

**9.2. Other information****Information with regard to physical hazard classes**

Explosive properties: none  
Sustaining combustion: No data available  
Self-ignition temperature: No information available.  
Solid: No information available.  
Gas: No information available.  
Oxidizing properties: none

**Other safety characteristics**

Evaporation rate: No information available.  
Solvent separation test: No information available.  
Solvent content: No information available.  
Solid content: No information available.  
Sublimation point: No information available.  
Softening point: No information available.  
Pour point: -48 °C ASTM D 5985

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Viscosity / dynamic:

No information available.

Flow time:

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

Refer to chapter 10.5.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No information available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) 209866 mg/kg; ATE (inhalation vapour) 995,0 mg/l; ATE (inhalation dust/mist) 41,81 mg/l

| CAS No     | Chemical name  |                  |         |              |          |
|------------|--|------------------|---------|--------------|----------|
|            | Exposure route   | Dose             | Species | Source       | Method   |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified |                  |         |              |          |
|            | oral   | LD50 >5000 mg/kg | Rat.    | ECHA Dossier |          |
|            | dermal   | LD50 >5000 mg/kg | Rabbit. | ECHA Dossier |          |
|            | inhalation (4 h) dust/mist   | LC50 >5,53 mg/l  | Rat.    | ECHA Dossier |          |
| 68037-01-4 | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated          |                  |         |              |          |
|            | oral   | LD50 >5000 mg/kg | Rat.    | ECHA Dossier |          |
|            | dermal   | LD50 >2000 mg/kg | Rat.    | ECHA Dossier |          |
|            | inhalation (4 h) dust/mist   | LC50 >5,2 mg/l   | Rat.    | ECHA Dossier | OECD 403 |
| 80-62-6    | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*    |                  |         |              |          |
|            | oral   | LD50 8400 mg/kg  | Rat     |              |          |



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|--------------|--|---------------|-----------|--------|---------------|--------------------|
|              | dermal   | LD50<br>mg/kg | > 5000    | Rabbit | ECHA Dossier  |                    |
|              | inhalation (4 h)<br>dust/mist  | LC50          | 29,8 mg/l | Rat    | ECHA Dossier  |                    |
| 68955-53-3   | Amines, C12-14-tert-alkyl  |               |           |        |               |                    |
|              | oral   | LD50<br>mg/kg | 552       | Rat    | ECHA Dossier  | OECD 401           |
|              | dermal   | LD50<br>mg/kg | 251       | Rat    | ECHA Dossier  | OECD 402           |
|              | inhalation (4 h) vapour  | LC50          | 1,19 mg/l | Rat    | ECHA Dossier  | OECD 403           |
|              | inhalation dust/mist   | ATE           | 0,05 mg/l |        |               |                    |
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines |               |           |        |               |                    |
|              | oral   | LD50<br>mg/kg | 1200      | Rat    | REACH Dossier | OECD Guideline 401 |
|              | dermal   | LD50<br>mg/kg | > 2000    | Rat    | REACH Dossier | OECD Guideline 402 |

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

Contains methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate. May produce an allergic reaction.

Skin sensitisation:

Amines, C12-14-tert-alkyl (Conc.= 5%)

Test results: not sensitizing. Method: Buehler Method OECD 406, Species: Guinea-pig. Literature information: Manufacturer

May cause sensitisation especially in sensitive humans.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test), OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test), OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative Literature information: REACH Dossier; Chronic dermal toxicity: Exposure time: ~546 d; Species: Mouse.;

Method: OECD Guideline 451; Result: Carcinogenicity = negative Literature information: REACH Dossier;

Reproductive toxicity: Exposure route: oral. Species: Rat.; Method: OECD Guideline 421; Result: NOAEL >1000 mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Exposure route: dermal.

Species: Rat.; Method: OECD Guideline 414; Result: NOAEL >2000 mg/kg; Literature information: REACH Dossier

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated:

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative Literature information: REACH Dossier; Reproductive toxicity: Species: Rat; Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL > 1000 mg/kg; Literature information: REACH Dossier

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methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative

Literature information: REACH Dossier; Carcinogenicity: negative Method: OECD Guideline 451 (Carcinogenicity Studies, 6h/d); Species: Rat, oral.; Exposure duration: 2 years; Result: NOAEC  $\geq$  2000 ppm; Literature information: REACH Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species: Rat; Result: NOAEL = 400 mg/kg; Literature information: REACH Dossier; 1.

Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rabbit.

Exposure duration: 28d; Result: NOAEL = 450 mg/kg

2. Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Species: Rat; Result: NOAEC  $\geq$  8,3 mg/l ; Literature information: REACH Dossier

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

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) (reliability scoring based on 1997 guideline), OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test): OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test); Results: negative; Literature information: REACH Dossier  
Developmental toxicity/teratogenicity: Method: 40 CFR Part 798.4700; Species: Rat; Result: NOAEL  $>$  80 mg/kg; Species: Rabbit ; Result: NOAEL  $>$  30 mg/kg; Literature information: REACH Dossier

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Subchronic oral toxicity: Exposure time: 90d; Species: Sprague-Dawley Rat.; Method: OECD Guideline 408; Result: LOAEL = 125 mg/kg; Literature information: REACH Dossier;

Subacute inhalative toxicity :

Exposure time: 28d; Species: Sprague-Dawley Rat.; Result: NOAEC  $>$  980 mg/m<sup>3</sup>; Literature information:

REACH Dossier; Subacute dermal toxicity: Exposure time: 28d; Species: Rabbit; Method: OECD Guideline 410; Result: NOAEL 1000 mg/kg; Literature information: REACH Dossier

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Species: Rat; Results: NOAEL 1000 mg/kg; Literature information: REACH Dossier

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate:

Chronic oral toxicity: Method: -; Species: Rat; Exposure duration: 2 years; Results: NOAEL = 2000 ppm.

Literature information: REACH Dossier; 1. Chronic inhalation toxicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies, 6h/d); Species: Rat; Exposure duration: approx. 2 years; Results: LOAEC = 250 ppm.

2. Chronic inhalation toxicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies, 6h/d); Species: Rat; Exposure duration: approx. 2 years; Results: NOAEC = 1,64 m/l; Literature information: REACH Dossier

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

Subacute oral toxicity:

Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Species: Rat; Exposure duration: 28 d

Results: NOAEL = 3,25 mg/kg; Literature information: REACH Dossier

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

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#### Endocrine disrupting properties

This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other information

Frequently or prolonged contact with skin may cause dermal irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No       | Chemical name  |                    |           |   |               |                    |
|--------------|--|--------------------|-----------|---|---------------|--------------------|
|              | Aquatic toxicity   | Dose               | [h]   [d] | Species   | Source        | Method             |
| 64742-56-9   | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified       |                    |           |   |               |                    |
|              | Acute fish toxicity  | LC50 >100 mg/l     | 96 h      | Pimephales promelas                                 | ECHA Dossier  |                    |
|              | Acute algae toxicity   | ErC50 >100 mg/l    | 72 h      | Pseudokirchnerella subcapitata                      | ECHA Dossier  |                    |
|              | Acute crustacea toxicity   | EC50 >10000 mg/l   | 48 h      | Daphnia magna                                       | ECHA Dossier  |                    |
|              | Crustacea toxicity   | NOEC 10 mg/l       | 21 d      | Daphnia magna                                       | ECHA Dossier  |                    |
| 68037-01-4   | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated                |                    |           |   |               |                    |
|              | Acute fish toxicity  | LL50 >1000 mg/l    | 96 h      | Pimephales promelas                                 | ECHA Dossier  | USEPA (1975)       |
|              | Acute crustacea toxicity   | EL50 >1000 mg/l    | 48 h      | Daphnia magna                                       | ECHA Dossier  | OECD Guideline 202 |
|              | Crustacea toxicity   | NOEC 125 mg/l      | 21 d      | Daphnia magna                                       | ECHA Dossier  | OECD Guideline 211 |
| 80-62-6      | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*          |                    |           |   |               |                    |
|              | Acute fish toxicity  | LC50 410 mg/l      | 96 h      | Pimephales promelas                                 | ECHA Dossier  |                    |
|              | Acute algae toxicity   | ErC50 >110 mg/l    | 72 h      | Pseudokirchnerella subcapitata (OECD 201)           | ECHA Dossier  |                    |
|              | Acute crustacea toxicity   | EC50 720 mg/l      | 48 h      | Daphnia magna                                       | ECHA Dossier  |                    |
| 68955-53-3   | Amines, C12-14-tert-alkyl  |                    |           |   |               |                    |
|              | Acute fish toxicity  | LC50 1,3 mg/l      | 96 h      | Oncorhynchus mykiss                                 | ECHA Dossier  | OECD Guideline 203 |
|              | Acute algae toxicity   | ErC50 0,44 mg/l    | 72 h      | Pseudokirchnerella subcapitata                      | ECHA Dossier  | OECD 201           |
|              | Acute crustacea toxicity   | EC50 4,1 mg/l      | 48 h      | Daphnia magna                                       | ECHA Dossier  | OECD Guideline 202 |
|              | Fish toxicity  | NOEC 0,078 mg/l    | 96 d      | Oncorhynchus mykiss                                 | ECHA Dossier  | OECD Guideline 210 |
|              | Acute bacteria toxicity  | EC50 63,5 mg/l ( ) | 0,5 h     | activated sludge of a predominantly domestic sewage | ECHA Dossier  | OECD Guideline 209 |
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines |                    |           |   |               |                    |
|              | Acute fish toxicity  | LC50 0,06 mg/l     | 96 h      | Pimephales promelas                                 | REACH Dossier | EPA OPPTS 850.1085 |

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|  |                          |                  |       |      |                            |               |                       |
|--|--------------------------|------------------|-------|------|----------------------------|---------------|-----------------------|
|  | Acute algae toxicity     | ErC50<br>mg/l    | 0,38  | 72 h | Desmodesmus<br>subspicatus | REACH Dossier | OECD Guideline<br>201 |
|  | Acute crustacea toxicity | EC50<br>mg/l     | 0,98  | 48 h | Daphnia magna              | REACH Dossier | OECD Guideline<br>202 |
|  | Crustacea toxicity       | NOEC<br>mg/l     | 0,013 | 21 d | Daphnia magna              | REACH Dossier | OECD Guideline<br>211 |
|  | Acute bacteria toxicity  | EC50<br>mg/l ( ) | 222,5 | 3 h  | activated sludge           | REACH Dossier | OECD Guideline<br>209 |

#### 12.2. Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

| CAS No       | Chemical name  | Method   | Value | d  | Source        |
|--------------|--|--|-------|----|---------------|
|              |  | Evaluation                                       |       |    |               |
| 64742-56-9   | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified       | OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C  | 2-4%  | 28 | ECHA Dossier  |
|              | Not easily bio-degradable (according to OECD-criteria).                                |  |       |    |               |
| 68037-01-4   | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated                | OECD 301D / EEC 92/69 annex V, C.4-E             | 2 %   | 28 | ECHA Dossier  |
|              | Not easily bio-degradable (according to OECD-criteria).                                |  |       |    |               |
| 80-62-6      | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*          | OECD 301C / ISO 9408 / EWG 92/69 Anhang V, C.4-F | 94%   | 14 | ECHA Dossier  |
|              | Readily biodegradable (according to OECD criteria).                                    |  |       |    |               |
| 68955-53-3   | Amines, C12-14-tert-alkyl  | OECD 301D / EEC 92/69 annex V, C.4-E             | 22 %  | 28 | ECHA Dossier  |
|              | Not readily biodegradable (according to OECD criteria)                                 |  |       |    |               |
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | OECD Guideline 301 D                             | 66%   | 28 | REACH Dossier |
|              | Readily biodegradable (according to OECD criteria).                                    |  |       |    |               |

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

| CAS No       | Chemical name  | Log Pow |
|--------------|--|---------|
| 68037-01-4   | Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated                | >6,5    |
| 80-62-6      | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate*          | 1,32    |
| 68955-53-3   | Amines, C12-14-tert-alkyl  | 2,9     |
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | 5,16    |

#### BCF

| CAS No       | Chemical name  | BCF | Species | Source               |
|--------------|--|-----|---------|----------------------|
| 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | 173 |         | Environmental Toxico |

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment



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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

Ozone depletion potential (ODP): No information available.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

##### **List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

##### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

|   |  |
|---|--|
| <b><u>14.1. UN number or ID number:</u></b>     | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

#### **Inland waterways transport (ADN)**

|   |   |
|---|---|
| <b><u>14.1. UN number or ID number:</u></b>     | UN 9006   |
| <b><u>14.2. UN proper shipping name:</u></b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| <b><u>14.3. Transport hazard class(es):</u></b> | 9   |
| <b><u>14.4. Packing group:</u></b>              | -   |
| Hazard label:                                   | -   |
| Classification code:                            | M12   |

#### **Marine transport (IMDG)**

|   |  |
|---|--|
| <b><u>14.1. UN number or ID number:</u></b>     | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

#### **Air transport (ICAO-TI/IATA-DGR)**

|   |  |
|---|--|
| <b><u>14.1. UN number or ID number:</u></b>     | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>              | No dangerous good in sense of this transport regulation. |

#### **14.5. Environmental hazards**



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ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

#### **14.7. Maritime transport in bulk according to IMO instruments**

not relevant

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: No information available.

Directive 2004/42/EC on VOC in paints and varnishes: No information available.

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### **Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

Observe in addition any national regulations!

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

##### **Additional information**

Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals: not relevant

15.2 Chemical Safety Assessment  
not applicable.

### SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 2,12,16.

Rev.: 1,0 - 13.04.2015

Rev.: 1,01 - 28.04.2015

Rev.: 1,1 - 10.05.2016

Rev.: 2,0 - 02.06.2017

Rev.: 3,0 - 27.06.2018

Rev.: 4,0 - 26.06.2019

Rev.: 5,0 - 29.06.2020; Changes in chapter: 2.2, 3.2, 11.1, 15.1, 16

Rev.: 6.0 - 04.06.2021 Changes in chapter: 3.2, 6.1, 6.3, 11.2, 12.6, 12.7, 15.1, 16

Rev.: 7.0 - 14.06.2022, Changes in chapter: 2.3, 8.2, 12.1, 12.5, 12.6, 16

Rev.: 7.1 - 01.03.2023, Changes in chapter: 2.3, 3.2, 8.1, 9.1, 11.1, 12.1, 12.2, 12.3, 12.5, 15.1, 16

Rev.: 8.0 - 05.03.2024, Changes in chapter: 8.1, 11.2, 12.1, 12.7, 14, 15.1, 16

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**Abbreviations and acronyms**

Flam. Liq: Flammable liquid  
Acute Tox: Acute toxicity  
Asp. Tox: Aspiration hazard  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Skin Sens: Skin sensitisation  
STOT SE: Specific target organ toxicity - single exposure  
STOT RE: Specific target organ toxicity - repeated exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect concentration  
NTP: National Toxicology Program  
N/A: not applicable  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SVHC: substance of very high concern  
TRGS Technische Regeln fuerGefahrstoffe  
TSCA: Toxic Substances Control Act  
VOC: Volatile Organic Compounds  
WGK: Water Hazard Class (Germany)

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Aquatic Chronic 3; H412 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H330 Fatal if inhaled.



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|        |   |
|--------|---|
| H335   | May cause respiratory irritation.   |
| H373   | May cause damage to organs through prolonged or repeated exposure.  |
| H400   | Very toxic to aquatic life.   |
| H410   | Very toxic to aquatic life with long lasting effects.   |
| H412   | Harmful to aquatic life with long lasting effects.  |
| EUH208 | Contains methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.<br>May produce an allergic reaction. |

**Further Information**

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*