

# Safety Data Sheet

TECWERK

according to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 1.0

Date of compilation: 2025-01-14

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

### 1.1 Product identifier

Trade name **TECWERK FEUCHTIGKEITSSCHUTZSPRAY - 400 ml**  
Unique formula identifier (UFI) 5020-T0N5-S00K-1N50

Article number 2000 354 585

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

Relevant identified uses General use  
Lubricant  
Rust remover

### 1.3 Details of the supplier of the safety data sheet

NORDWEST Handel AG  
Robert-Schuman-Str. 17  
44263 Dortmund  
Germany

Telephone: +49 231 2222-3001  
Telefax: +49 231 2222-3099  
Website: [www.nordwest.com](http://www.nordwest.com)  
e-mail (competent person) sdb@nordwest.com

### 1.4 Emergency telephone number

| Poison centre |  |                  |                                 |  |
|---------------|--|------------------|---------------------------------|--|
| Country       | Name   | Postal code/city | Telephone                       |  |
| Austria       | Vergiftungsinformationszentrale (VIZ)  |                  | +43 (0)1 406 43 43              |  |
| Germany       | Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thueringen c/o HELIOS Klinikum Erfurt | 99089 Erfurt     | +49-361-730730                  |  |
| Luxembourg    | Poison Centre Luxemburg  |                  | (+352) 8002 5500                |  |
| Switzerland   | Tox Info Suisse  |                  | +145, 24h oder +41 44 251 51 51 |  |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

| Section | Hazard class  | Category | Hazard class and category | Hazard statement |
|---------|---|----------|---------------------------|------------------|
| 2.3     | aerosols  | 1        | Aerosol 1                 | H222,H229        |
| 3.8D    | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | 3        | STOT SE 3                 | H336             |
| 3.10    | aspiration hazard   | 1        | Asp. Tox. 1               | H304             |

For full text of abbreviations: see SECTION 16.

### 2.2 Label elements

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

Signal word danger

### Pictograms

GHS02, GHS07



### Hazard statements

H222  
H229  
H336

Extremely flammable aerosol.  
Pressurised container: May burst if heated.  
May cause drowsiness or dizziness.

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## Precautionary statements

|           |   |
|-----------|---|
| P101      | If medical advice is needed, have product container or label at hand.                               |
| P102      | Keep out of reach of children.  |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.      |
| P211      | Do not spray on an open flame or other ignition source.   |
| P251      | Do not pierce or burn, even after use.  |
| P271      | Use only outdoors or in a well-ventilated area.   |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor.  |
| P331      | Do NOT induce vomiting.   |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.                        |
| P501      | Dispose of contents/container in accordance with local/regional/national/international regulations. |

## Child-resistant fastening

yes

## Tactile warning of danger

yes

## Hazardous ingredients for labelling

Naphtha (petroleum), hydrotreated light

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

| Identifier   | Name of substance                        | Wt%       | Classification acc. to GHS  | Pictograms   | Notes         | Specific Conc. Limits |
|--|--|-----------|---|--|---------------|-----------------------|
| CAS No 106-97-8<br><br>EC No 203-448-7<br><br>Index No 601-004-00-0<br><br>REACH Reg. No 01-2119474691-32-xxxx | butane                                   | 25 - < 50 | Flam. Gas 1B / H221<br>Press. Gas C / H280  |     | C GHS-HC U(b) |                       |
| CAS No 74-98-6<br><br>EC No 200-827-9<br><br>Index No 601-003-00-5<br><br>REACH Reg. No 01-2119486944-21       | propane                                  | 25 - < 50 | Flam. Gas 1A / H220<br>Press. Gas L / H280  |     | GHS-HC U(c)   |                       |
| CAS No 64742-49-0<br><br>EC No 927-241-2<br><br>Index No 649-327-00-6<br><br>REACH Reg. No 01-2119471843-32    | Naphtha (petroleum), hydro-treated light | 10 - < 25 | Flam. Liq. 3 / H226<br>STOT SE 3 / H336<br>Asp. Tox. 1 / H304<br>Aquatic Chronic 3 / H412 |  <br> | P(b)          |                       |
| CAS No 75-28-5<br><br>EC No 200-857-2  | isobutane                                | 1 - < 5   | Flam. Gas 1A / H220<br>Press. Gas C / H280  |     | C GHS-HC U(b) |                       |

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| Identifier   | Name of substance | Wt% | Classification acc. to GHS | Pictograms | Notes | Specific Conc. Limits |
|--|-------------------|-----|----------------------------|------------|-------|-----------------------|
| Index No<br>601-004-00-0<br><br>REACH Reg.<br>No<br>01-<br>2119485395-<br>27 |                   |     |                            |            |       |                       |

## Notes

C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

P(b): The classification as a carcinogen or mutagen is not required. The substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 shall apply

U(b): The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged

U(c): The allocation to the group 'liquefied gas' is based on the physical state in which the gas is packaged

## Remarks

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Narcotic effects.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, BC-powder

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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## 6.3 Methods and material for containment and cleaning up

### Advice on how to contain a spill

Covering of drains

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

## 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

#### Managing of associated risks

#### Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

#### Packaging compatibilities

Keep only in original container.

#### Storage class (LGK) TRGS 510

LGK 2 B (aerosol dispensers or lighters)

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |  |          |            |           |                          |            |                           |                 |                                |          |          |
|--|---------------|--|----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|----------|
| Country  | Name of agent |  | CAS No   | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source   |
| DE   | butane        |  | 106-97-8 | AGW        | 1,000     | 2,400                    | 4,000      | 9,600                     |                 |                                |          | TRGS 900 |
| DE   | propane       |  | 74-98-6  | AGW        | 1,000     | 1,800                    | 4,000      | 7,200                     |                 |                                |          | TRGS 900 |
| DE   | isobutane     |  | 75-28-5  | AGW        | 1,000     | 2,400                    | 4,000      | 9,600                     |                 |                                |          | TRGS 900 |

#### Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant DNELs of components            |            |          |                         |                                    |                   |                            |  |
|---|------------|----------|-------------------------|------------------------------------|-------------------|----------------------------|--|
| Name of substance                       | CAS No     | Endpoint | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |  |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | DNEL     | 300 mg/kg               | human, dermal                      | worker (industry) | chronic - systemic effects |  |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | DNEL     | 1,500 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |  |

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

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## Individual protection measures (personal protective equipment)



Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

### Eye/face protection

Use protective eyewear to guard against splash of liquids.

### Skin protection

### Hand protection

Wear protective gloves. (Splash protection)

### Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

### Breakthrough times of the glove material

>480 minutes (permeation: level 6)

### Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Full face mask/half mask/quarter mask (EN 136/140).

Type: AX-P2 (gas filters and combined filters against low-boiling point organic compounds and particles, colour code: Brown/White).

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Physical state   | aerosol (spray aerosol)                                |
| Colour   | light yellow   |
| Odour  | characteristic   |
| Melting point/freezing point                             | not determined   |
| Boiling point or initial boiling point and boiling range | -161.5 °C at 1,013 hPa                                 |
| Flammability   | flammable aerosol in accordance with GHS criteria      |
| Lower and upper explosion limit                          | 0.6 vol% - 15 vol%                                     |
| Flash point  | -88.6 °C at 1,013 hPa                                  |
| Auto-ignition temperature                                | 287 °C (auto-ignition temperature (liquids and gases)) |
| Decomposition temperature                                | not relevant   |
| pH (value)   | not determined   |
| Kinematic viscosity                                      | not relevant   |
| Solubility(ies)  | not determined   |

#### Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure 4,200 hPa at 20 °C

#### Density and/or relative density

Density 0.6415 g/ml (calculated value)  
Relative vapour density information on this property is not available

### 9.2 Other information

**Information with regard to physical hazard classes** there is no additional information

#### Other safety characteristics

Temperature class (EU, acc. to ATEX) T3 (maximum permissible surface temperature on the equipment: 200°C)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

### 10.2 Chemical stability

See below "Conditions to avoid".

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## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

### Hints to prevent fire or explosion

Protect from sunlight.

## 10.5 Incompatible materials

Oxidisers

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitisier.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

May be fatal if swallowed and enters airways.

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 2, obviously hazardous to water (Germany)

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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## Relevant provisions relating to waste

### List of wastes, (Recommendations)

#### Product

07 06 04\* Other organic solvents, washing liquids and mother liquors  
07 07 04\* Other organic solvents, washing liquids and mother liquors

#### Product residues

16 05 04\* Gases in pressure containers (including halons) containing hazardous substances  
07 06 04\* Other organic solvents, washing liquids and mother liquors  
07 07 04\* Other organic solvents, washing liquids and mother liquors

#### Packagings

15 01 04 Metallic packaging

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID/ADN UN 1950  
IMDG-Code UN 1950  
ICAO-TI UN 1950

### 14.2 UN proper shipping name

ADR/RID/ADN AEROSOLS  
IMDG-Code AEROSOLS  
ICAO-TI Aerosols, flammable

### 14.3 Transport hazard class(es)

ADR/RID/ADN 2 (2.1)  
IMDG-Code 2.1  
ICAO-TI 2.1

### 14.4 Packing group

not assigned

### 14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

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

The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

##### Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Classification code 5F  
Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625  
Excepted quantities (EQ) E0  
Limited quantities (LQ) 1 L  
Transport category (TC) 2  
Tunnel restriction code (TRC) D

##### International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant -  
Danger label(s) 2.1



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959  
Excepted quantities (EQ) E0  
Limited quantities (LQ) 1 L  
EmS F-D, S-U  
Stowage category -

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## International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Danger label(s) 2.1



Special provisions (SP) A145, A167  
Excepted quantities (EQ) E0  
Limited quantities (LQ) 30 kg

## SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)**

**List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

none of the ingredients are listed

**Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

none of the ingredients are listed

**Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

none of the ingredients are listed

**Regulation on the marketing and use of explosives precursors**

none of the ingredients are listed

**Regulation 648/2004/EC on detergents**

#### Labelling of contents

| Constituents           | Weight % content (or range) |
|------------------------|-----------------------------|
| aliphatic hydrocarbons | 30 % and more               |

**Regulation on persistent organic pollutants (POP)**

none of the ingredients are listed

**National regulations (Germany)**

**Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)**

**Wassergefährdungsklasse, WGK (water hazard class)** 2 obviously hazardous to water

**Technical instructions on air quality control (Germany)**

| Number | Group of substances | Class | Conc.    | Mass flow | Mass concentration   | Notation |
|--------|---------------------|-------|----------|-----------|----------------------|----------|
| 5.2.5  | organic substances  |       | ≥ 25 wt% | 0.5 kg/h  | 50 mg/m <sup>3</sup> | 3)       |

#### Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m<sup>3</sup>, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

#### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |

#### Legend

REACH Reg. REACH registered substances

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.            | Descriptions of used abbreviations.  |
|------------------|--|
| ADR.             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). |
| ADR.             | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).   |
| ADR/RID/ADN.     | Agreement concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).  |
| AGW.             | Workplace exposure limit.  |
| Aquatic Chronic. | Hazardous to the aquatic environment - chronic hazard.   |
| Asp. Tox.        | Aspiration hazard.   |
| CAS.             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).  |
| Ceiling-C.       | Ceiling value.   |
| CLP.             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  |
| DGR.             | Dangerous Goods Regulations (see IATA/DGR).  |
| DNEL.            | Derived No-Effect Level.   |
| EC No.           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).                                     |
| ED.              | Endocrine disruptor.   |
| EINECS.          | European Inventory of Existing Commercial Chemical Substances.   |
| ELINCS.          | European List of Notified Chemical Substances.   |
| Ems.             | Emergency Schedule.  |
| Flam. Gas.       | Flammable gas.   |
| Flam. Liq.       | Flammable liquid.  |
| GHS.             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.   |
| IATA.            | International Air Transport Association.   |
| IATA/DGR.        | Dangerous Goods Regulations (DGR) for the air transport (IATA).  |
| ICAO.            | International Civil Aviation Organization.   |
| ICAO-TI.         | Technical instructions for the safe transport of dangerous goods by air.   |
| IMDG.            | International Maritime Dangerous Goods Code.   |
| IMDG-Code.       | International Maritime Dangerous Goods Code.   |
| Index No.        | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008.  |
| LGK.             | Lagerklasse (storage class according to TRGS 510, Germany).  |
| NLP.             | No-Longer Polymer.   |
| PBT.             | Persistent, Bioaccumulative and Toxic.   |
| Ppm.             | Parts per million.   |
| Press. Gas.      | Gas under pressure.  |
| REACH.           | Registration, Evaluation, Authorisation and Restriction of Chemicals.  |
| RID.             | Régllement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).  |
| STEL.            | Short-term exposure limit.   |
| STOT SE.         | Specific target organ toxicity - single exposure.  |
| SVHC.            | Substance of Very High Concern.  |
| TRGS.            | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).  |
| TRGS 900.        | Arbeitsplatzgrenzwerte (TRGS 900).   |
| TWA.             | Time-weighted average.   |
| VPVb.            | Very Persistent and very Bioaccumulative.  |

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.  
Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.  
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

|       |   |
|-------|---|
| H220. | Extremely flammable gas.                            |
| H221. | Flammable gas.                                      |
| H222. | Extremely flammable aerosol.                        |
| H226. | Flammable liquid and vapour.                        |
| H229. | Pressurised container: May burst if heated.         |
| H280. | Contains gas under pressure; may explode if heated. |
| H304. | May be fatal if swallowed and enters airways.       |
| H336. | May cause drowsiness or dizziness.                  |
| H412. | Harmful to aquatic life with long lasting effects.  |

### Disclaimer

This SDS has been compiled and is solely intended for this product. This information is based on the present state of our knowledge and does not constitute an assurance of product properties nor establishes contract legal rights. All data about health and safety are only for information. They should therefore not be construed as specifications.