



AUTOL SUPERGEAR FE 75W-80

Material number 14170

Revision date: 13.1.2025
Version: 4.1
Replaces version: 4.0
Language: en-DE
Date of print: 6.3.2025

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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

1.1 Product identifier

Trade name: AUTOL SUPERGEAR FE 75W-80

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

General use: Gearbox oil.

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

E-mail: info.wuerzburg@enilive.com

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Application Engineering & Product Management (AEPM)

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1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)

Hazard statements: H412 Harmful to aquatic life with long lasting effects.

Precautionary statements: P273 Avoid release to the environment.

P501 Dispose of contents/container to hazardous or special waste collection point.

Special labelling

EUH208 Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.



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2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

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 product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119540515-43-xxxx EC No. 273-103-3 CAS 68937-96-2	Polysulfides, di-tert-Bu Skin Sens. 1B; H317. Aquatic Chronic 3; H412. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 46 %	< 5 %
REACH 01-2119493620-38-xxxx list no. 931-384-6	Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl Acute Tox. 4; H302. Eye Irrit. 2; H319. Skin Sens. 1; H317. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Eye Irrit. 2; H319: C > 50 % / Skin Sens. 1; H317: C > 9,39 %	< 2,5 %
REACH 01-2120769073-53-xxxx EC No. 237-235-5 CAS 13703-82-7	Magnesium metaborate Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C > 15 %	< 1 %

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

Additional information: Contains Hydrocarbons, aliphatic, C9-C14 and Hydrocarbons, aromatic, C9-C14. The maximum workplace exposure limits are, where necessary, listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.



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After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.

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:

Use extinguishing material as appropriate for the surrounding area.

Extinguishing media which must not be used for safety reasons:

Full water jet.

5.2 Special hazards arising from the substance or mixture

Combustible. May form dangerous gases and vapours in case of fire. Furthermore, there may develop: Sulphur oxides, phosphorus oxides, hydrogen sulfide, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Suppress gases/vapours/mists with water spray jet.
Cool endangered containers with water jetspray.
Do not allow fire water to penetrate into surface or ground water.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing mist/vapours/spray. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).
If necessary notify appropriate authorities.



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6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.
Never return spills in original containers for re-use.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
Wear appropriate protective equipment. Do not put any product-impregnated cleaning rags into your trouser pockets.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Precautions against fire and explosion:

Keep away from heat.
When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Germany: TRGS 900 Kurzzeit	100 mg/m ³ (hydrocarbons, aromatic, C9-C14)
Germany: TRGS 900 Kurzzeit	600 mg/m ³ (hydrocarbons, aliphatic, C9-C14)
Germany: TRGS 900 Langzeit	300 mg/m ³ (hydrocarbons, aliphatic, C9-C14)
Germany: TRGS 900 Langzeit	50 mg/m ³ (hydrocarbons, aromatic, C9-C14)



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DNEL/DMEL:

Information about Polysulfides, di-tert-Bu:

DNEL Workers, long-term, systemic, inhalative: 3,29 mg/m³

DNEL Workers, long-term, systemic, dermal: 4,67 mg/kg bw/d

DNEL Consumer, long-term, systemic, inhalative: 0,58 mg/m³

DNEL Consumer, long-term, systemic, dermal: 1,67 mg/kg bw/d

DNEL Consumer, long-term, systemic, oral: 0,167 mg/kg bw/d

Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl:

DNEL Workers, long-term, systemic, inhalative: 4,28 mg/m³

DNEL Workers, long-term, systemic, dermal: 12,5 mg/kg bw/d

DNEL Workers, long-term, local, dermal: 160 µg/cm²

DNEL Consumer, long-term, systemic, inhalative: 1,09 mg/m³

DNEL Consumer, long-term, systemic, dermal: 6,25 mg/kg bw/d

DNEL Consumer, long-term, local, dermal: 160 µg/cm²

DNEL Consumer, long-term, systemic, oral: 0,25 mg/kg bw/d

Information about Magnesium metaborate:

DNEL Workers, long-term, systemic, inhalative: 5,49 mg/m³

DNEL Workers, long-term, systemic, dermal: 7,78 mg/kg bw/d

DNEL Consumer, long-term, systemic, inhalative: 0,82 mg/m³

DNEL Consumer, long-term, systemic, dermal: 0,278 mg/kg bw/d

DNEL Consumer, long-term, systemic, oral: 0,28 mg/kg bw/d

PNEC:

Information about Polysulfides, di-tert-Bu:

PNEC water (freshwater): 0,00024 mg/L

PNEC water (marine water): 0,000024 mg/L

PNEC sediment (freshwater): 0,94 mg/kg dw

PNEC sediment (marine water): 0,094 mg/kg dw

PNEC soil: 0,0181 mg/kg dw

PNEC sewage treatment plant: 4,51 mg/L

PNEC oral: 6,66 mg/kg Food

Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl:

PNEC water (freshwater): 2,4 µg/L

PNEC water (freshwater) intermittent release: 150 µg/L

PNEC water (marine water): 0,24 µg/L

PNEC sediment (freshwater): 12,9 µg/kg dw

PNEC sediment (marine water): 1,29 µg/kg dw

PNEC soil: 1,17 µg/kg dw

PNEC sewage treatment plant: 24,33 mg/L

PNEC oral: 10 mg/kg Food

Information about Magnesium metaborate:

PNEC water (freshwater): 0,05 mg/L

PNEC water (freshwater) intermittent release: 0,5 mg/L

PNEC water (marine water): 0,05 mg/L

PNEC sediment (freshwater): 1,38 mg/kg dw

PNEC sediment (marine water): 1,38 mg/kg dw

PNEC soil: 0,247 mg/kg dw

PNEC sewage treatment plant: 100 mg/L

PNEC oral: 1,67 mg/kg Food



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8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

- Respiratory protection: In case of inadequate ventilation wear respiratory protection. Respiratory protection must be worn whenever the WEL levels have been exceeded.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
- Hand protection: Protective gloves according to DIN EN ISO 374:1.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:
Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
Do not put any product-impregnated cleaning rags into your trouser pockets. Take off contaminated clothing and wash it before reuse.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	yellow
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flammability:	Combustible
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Flash point/flash point range:	> 200 °C (ISO 2592)
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	Not applicable (DIN 51369)
Viscosity, kinematic:	at 100 °C: approx. 9,4 mm ² /s (DIN 51562)
Solubility:	Soluble in hydrocarbons
Water solubility:	at 20 °C: Practically insoluble



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Partition coefficient: n-octanol/water:	5,6 log P(o/w) (Polysulfides, di-tert-Bu) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. < 0,3 log P(o/w) (Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
Vapour pressure:	at 20 °C: < 0,1 hPa (calculated)
Density:	at 15 °C: 0,816 g/mL (DIN 51757)
Vapour density:	Not determined
Particle characteristics:	Not applicable
9.2 Other information	
Explosive properties:	Not explosive
Oxidizing characteristics:	Not oxidising
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	Pour point: approx. -42 °C (DIN ISO 3016)

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Thermal decomposition: No known hazardous decomposition products.
Not determined



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SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE 96.823 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2.000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE (vapour) > 20 mg/L
ATEmix (calculated): ATE (dusts/mist) > 5 mg/L

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

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

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.
Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl:

LD50 Rat, oral: 2.000 mg/kg (OECD 401)

Information about Magnesium metaborate:

LD50 Rat, oral: > 2.000 mg/kg (OECD 420)

LD50 Rat, dermal: > 2.000 mg/kg (OECD 402)

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	Harmful to aquatic life with long lasting effects. Information about Polysulfides, di-tert-Bu: Daphnia toxicity: EL50 Daphnia magna (Big water flea): 63 mg/L/48h (OECD 202) Algae toxicity: EL50 Pseudokirchneriella subcapitata (green algae): > 100 mg/L/72h (OECD 201) Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl: Fish toxicity: LL50 Oncorhynchus mykiss: approx. 24 mg/L/96h (OECD 203) Daphnia toxicity: EL50 Daphnia magna (Big water flea): approx. 91,4 mg/L/48h (OECD 202) NOEL Daphnia magna (Big water flea): 0,12 mg/L/21d (OECD 211) Algae toxicity: EC50 Pseudokirchneriella subcapitata (green algae): 6,4 mg/L/96h (OECD 201)
Water Hazard Class:	2 = obviously hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details:	Information about Polysulfides, di-tert-Bu: 13%/28d (OECD 301B). Not readily biodegradable (according to OECD criteria). Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl: 7,4%/28d (OECD 301B). Not readily biodegradable (according to OECD criteria).
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12.3 Bioaccumulative potential

Bioconcentration factor (BCF):	Information about Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl: Oncorhynchus mykiss: 436 L/kg
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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information:	Do not allow to enter into ground-water, surface water or drains.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 06* = Synthetic engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.

Section 14. Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

ID 9006

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

ADN:

ID 9006, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

Class 9, Code: M12

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

14.6 Special precautions for user

Inland waterway craft (ADN)

Hazard label:

-

Transport permitted:

T

Equipment necessary:

PP



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14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content

Hazard statements: H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:
Use restriction according to REACH annex XVII, no.: 3, 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH208 = Contains Polysulfides, di-tert-Bu and Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.

Reason of change: Changes in section 14: ADN 2025

Date of first version: 17.5.2021

Department issuing data sheet:
see section 1: Department responsible for information



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Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
ATE: Acute toxicity estimate
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEL: No Observed Effect Level
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Sens.: Skin sensitisation
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/8tc1n2cy>

