



# Eni i-Sint 5W-30 DE

Material number 265

## Safety Data Sheet

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

Revision date: 23.6.2025  
Version: 1.0  
Replaces version: 0.0  
Language: en-DE  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: Eni i-Sint 5W-30 DE

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

General use: Engine 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

Telephone: +49 (0)931-90098-0

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: technik.wuerzburg@enilive.com

### 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)

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

#### Special labelling

EUH210

Safety data sheet available on request.



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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.

CAS No.	Designation	PBT/ vPvB	ED Human	ED Environment
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	PBT		

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1; H304.	15 - 30 %
EC No. - CAS -	Mineral oil (*) Asp. Tox. 1; H304.	2,5 - 5 %
REACH 01-0000015551-76-xxxx EC No. 406-040-9 CAS 125643-61-0	Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4; H413.	1 - 2,5 %
REACH 01-2119493626-26-xxxx EC No. 283-392-8 CAS 84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Skin Irrit. 2; H315: C ≥ 6,25 % / Eye Dam. 1; H318: C > 12,5 % / Eye Irrit. 2; H319: 10 % < C ≤ 12,5 %	< 1 %

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

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

(\*) Information about Mineral oil:

CAS 64742-54-7 and/or

CAS 64742-55-8 and/or

CAS 64742-56-9 and/or

CAS 64742-65-0



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## 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:	Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
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

After eye contact: Frequent and constant contact can lead to irritations of the eyes.

### 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:

Water spray jet, foam, extinguishing powder, carbon dioxide.  
Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet.

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

May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: Phosphorus oxides, 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:

Use fine water spray to cool endangered containers.  
Do not allow water used to extinguish fire to enter drains, ground or waterways.  
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.



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## SECTION 6: Accidental release measures

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

Do not breathe mist/vapours/spray. Avoid oil mist formation. 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.

If necessary, notify appropriate authorities.

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

Prevent spread over a wide area (e.g. by containment or oil barriers).

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 oil mist formation. Do not breathe mist/vapours/spray.  
Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Don't put cleaning rags fouled by oil into trousers pockets. Have eye wash bottle or eye rinse ready at work place.

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: Do not store together with oxidizing agents.

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

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL: Information about Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7):

DNEL, workers, inhalative, systemic, long-term: 2,73 mg/m<sup>3</sup>

DNEL, workers, inhalative, local, long-term: 5,58 mg/m<sup>3</sup>

DNEL, workers, dermal, systemic, long-term: 0,97 mg/kg bw/d

DNEL, consumers, inhalative, local, long-term: 1,19 mg/m<sup>3</sup>

DNEL, consumers, oral, systemic, long-term: 0,74 mg/kg bw/d

Information about Reaction mass of isomers of: C7-9-alkyl

3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (CAS 125643-61-0):

DNEL, workers, inhalative, systemic, long-term: 3 mg/m<sup>3</sup>

DNEL, workers, dermal, systemic, long-term: 8,6 mg/kg bw/d

DNEL, consumers, inhalative, systemic, long-term: 0,74 mg/m<sup>3</sup>

DNEL, consumers, dermal, systemic, long-term: 4,3 mg/kg bw/d

DNEL, consumers, oral, systemic, long-term: 0,43 mg/kg bw/d

Information about Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (CAS 84605-29-8):

DNEL, workers, inhalative, systemic, long-term: 8,31 mg/m<sup>3</sup>

DNEL, workers, dermal, systemic, long-term: 12,1 mg/kg bw/d

DNEL, consumers, inhalative, systemic, long-term: 2,11 mg/m<sup>3</sup>

DNEL, consumers, dermal, systemic, long-term: 6,1 mg/kg bw/d

DNEL, consumers, oral, systemic, long-term: 0,24 mg/kg bw/d

PNEC: Information about Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7):

PNEC, Secondary Poisoning: 9,33 mg/kg Food

Information about Reaction mass of isomers of: C7-9-alkyl

3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (CAS 125643-61-0):

PNEC, sewage treatment plant: 10 mg/L

PNEC, sediment (freshwater): 0,37 mg/kg dw

PNEC, sediment (marine water): 0,037 mg/kg dw

PNEC, soil: 0,632 mg/kg dw

Information about Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (CAS 84605-29-8):

PNEC, water (freshwater): 4 µg/L

PNEC, water (freshwater, intermittent release): 45 µg/L

PNEC, water (marine water): 4,6 µg/L

PNEC, sewage treatment plant: 100 mg/L

PNEC, sediment (freshwater): 0,022 mg/kg dw

PNEC, sediment (marine water): 0,002 mg/kg dw

PNEC, soil: 0,002 mg/kg dw

PNEC, Secondary Poisoning: 10,67 mg/kg Food

### 8.2 Exposure controls

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



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### Personal protection equipment

#### Occupational exposure controls

- Respiratory protection: In case of inadequate ventilation wear respiratory protection.  
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.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:  
Do not breathe mist/vapours/spray. Avoid oil mist formation. Do not get in eyes, on skin, or on clothing.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Don't put cleaning rags fouled by oil into trousers pockets. Have eye wash bottle or eye rinse ready at work place.

#### 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:	brown
Odour:	Characteristic
Melting point/freezing point:	No data available
Boiling point:	No data available
Flammability:	This material is combustible, but will not ignite readily.
Lower and upper explosion limit:	No data available
Flash point:	> 210 °C (ISO 2592)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not applicable
Kinematic viscosity:	at 100 °C: approx. 12,1 mm <sup>2</sup> /s (DIN 51562)
Water solubility:	Practically insoluble
Partition coefficient n-octanol/water (log value):	15.100.000 log P(o/w) (Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 0,56 log P(o/w) (Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts) 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: approx. 0,853 g/mL (DIN 51757)
Relative vapour density:	No data available



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Particle characteristics:

Not applicable

### 9.2 Other information

Explosive properties:

No data available

Oxidizing characteristics:

No data available

Auto-ignition temperature:

No data available

Additional information:

Pour point: approx. -36 °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

Oxidizing agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition:

No data available



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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): > 2.000 mg/kg

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

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

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

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 Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7):  
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)  
LD50 Rabbit, dermal: > 5.000 mg/kg (OECD 402)  
LC50 Rat, inhalative (dusts/mist): > 5,53 mg/L/4h (OECD 403)

Information about Reaction mass of isomers of: C7-9-alkyl  
3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (CAS 125643-61-0):  
LD50 Rat, oral: > 2.000 mg/kg (OECD 401)  
LD50 Rat, dermal: > 2.000 mg/kg (OECD 402)

Information about Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (CAS 84605-29-8):  
LD50 Rat, oral: 3.100 mg/kg (OECD 401)  
LD50 Rat, dermal: > 2.000 mg/kg (OECD 402)

## Symptoms

After eye contact: Frequent and constant contact can lead to irritations of the eyes.





## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:	Information about Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7): Fish toxicity: LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203) NOELR Oncorhynchus mykiss: $\geq 1.000$ mg/L/14d (QSAR) Daphnia toxicity: EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h (OECD 202) Algae toxicity: NOEL Pseudokirchneriella subcapitata (green algae), growth rate: $\geq 100$ mg/L/72h (OECD 201)  Information about Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (CAS 125643-61-0): Fish toxicity: LC50 Danio rerio (zebrafish): > 100 mg/L/96h (OECD 203) Daphnia toxicity: EC50 Daphnia magna (Big water flea): > 100 mg/L/48h (OECD 202) Algae toxicity: EC50 Desmodesmus subspicatus (green algae), growth rate: > 3 mg/L/72h (OECD 201)  Information about Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (CAS 84605-29-8): Fish toxicity: LL50 Oncorhynchus mykiss: 4,5 mg/L/96h (OECD 203) Daphnia toxicity: EL50 Daphnia magna (Big water flea): 23 mg/L/48h (OECD 202) Algae toxicity: EL50 Desmodesmus subspicatus (green algae), growth rate: 24 mg/L/72h (OECD 201)
Water Hazard Class:	2 = obviously hazardous to water (Self-classification (mixture).)

### 12.2 Persistence and degradability

Further details:	Biodegradability: Information about Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7): 21%/28d (OECD 301 B). Not readily biodegradable (according to OECD criteria).
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### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:	Bioconcentration factor (BCF): Information about Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (CAS 125643-61-0): 38 (Cyprinus carpio (Common Carp))  15.100.000 log P(o/w) (Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 0,56 log P(o/w) (Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
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#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 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.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 13 02 05\* = Mineral-based non-chlorinated engine, gear and lubricating oils  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

#### 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, ADN, IMDG, IATA-DGR:  
not applicable

### 14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:  
Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:  
not applicable

### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:  
not applicable



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#### 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

No dangerous good in sense of these transport regulations.

#### 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: EUH210 Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 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:

H304 = May be fatal if swallowed and enters airways.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H411 = Toxic to aquatic life with long lasting effects.

H413 = May cause long lasting harmful effects to aquatic life.

EUH210 = Safety data sheet available on request.

Date of first version: 23.6.2025

Department issuing data sheet:

see section 1: Department responsible for information



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### Abbreviations and acronyms:

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  
Asp. Tox.: Aspiration toxicity  
ATEmix: Acute Toxicity Estimate of mixture  
BCF: Bioconcentration Factor  
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%  
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
Eye Dam.: Eye damage  
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  
IMO: International Maritime Organization  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
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  
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 Irrit.: Skin irritation  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative

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:  
<https://sumdat.net/4k7m5nnd>

