

Safety Data Sheet

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

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

1.1 Product identifier

Trade name: Eni metalPress ST 300 EP

UFI: NY60-50QR-F00Y-E8C4

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

General use: Lubricants, greases, release products (fat)

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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Department responsible for information:

Application Engineering & Product Management (AEPM)

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

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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)

Skin Sens. 1; H317 May cause an allergic skin reaction.

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

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.



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Precautionary statements:

P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains: Polysulfides, di-tert-dodecyl and Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
128-37-0	2,6-di-tert-Butyl-p-cresol		List II	

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

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3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119540516-41-xxxx EC No. 270-335-7 CAS 68425-15-0	Polysulfides, di-tert-dodecyl Skin Sens. 1B; H317.	< 10 %
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	< 5 %
REACH 01-2119493635-27-xxxx EC No. 224-235-5 CAS 4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) Eye Dam. 1; H318. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Eye Dam. 1; H318: C ≥ 50 %	< 5 %
REACH 01-2119492627-25-xxxx EC No. 271-529-4 CAS 68584-23-6	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 10 %	< 5 %
EC No. 290-641-4 CAS 90194-32-4	Benzenesulfonic acid, C10-60-alkyl derivs., sodium salts Eye Irrit. 2; H319.	< 5 %
REACH 01-2119555270-46-xxxx EC No. 204-881-4 CAS 128-37-0	2,6-di-tert-Butyl-p-cresol Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 1 %

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Remove the casualty into fresh air and keep them calm. In the event of discomfort seek medical treatment.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. 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 with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.
Respiratory complaints, headache, dizziness, discomfort.
Symptoms can occur only after several hours.



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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, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water.

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: Carbon monoxide and carbon dioxide.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

Cool endangered containers with water jetspray. Move undamaged containers from immediate hazard area if it can be done safely.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid oil mist formation. Provide adequate ventilation.

Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment.

Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

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

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Never return spills in original containers for re-use.

Clean contaminated articles and floor according to the environmental legislation.

Additional information:

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.



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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. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take action to prevent static discharges.

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. Protect from frost.
Store containers in upright position.
Do not store at temperatures below 0 °C.
Recommended storage temperature: 5 - 40 °C.
Maximum storage period (time): 24 months.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with: Oxidizing agents, acids.

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.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
68425-15-0	Polysulfides, di-tert-dodecyl	Germany: TRGS 900 Kurzzeit	20 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Langzeit	5 mg/m ³ (respirable fraction)
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	Germany: DFG Kurzzeit	0,4 mg/m ³ (compounds, inorganic; respirable fraction)
		Germany: DFG Kurzzeit	4 mg/m ³ (compounds, inorganic; inhalable fraction)
		Germany: DFG Langzeit	0,1 mg/m ³ (compounds, inorganic; respirable fraction)
		Germany: DFG Langzeit	2 mg/m ³ (compounds, inorganic; inhalable fraction)
128-37-0	2,6-di-tert-Butyl-p-cresol	Germany: TRGS 900 Kurzzeit	40 mg/m ³ (Aerosol and vapour, inhalable fraction)
		Germany: TRGS 900 Langzeit	10 mg/m ³ (Aerosol and vapour, inhalable fraction)

DNEL/DMEL:

Information about Polysulfides, di-tert-dodecyl (CAS 68425-15-0):

DNEL, workers, inhalative, systemic, long-term: 32,9 mg/m³

DNEL, workers, dermal, systemic, long-term: 46,7 mg/kg bw/d

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8):

DNEL, workers, inhalative, systemic, long-term: 6,6 mg/m³

DNEL, workers, dermal, systemic, long-term: 9,6 mg/kg bw/d

DNEL, consumers, inhalative, systemic, long-term: 1,67 mg/m³

DNEL, consumers, dermal, systemic, long-term: 4,8 mg/kg bw/d

DNEL, consumers, oral, systemic, long-term: 0,19 mg/kg bw/d

Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (CAS 68584-23-6):

DNEL, workers, inhalative, systemic, long-term: 11,8 mg/m³

DNEL, workers, dermal, systemic, long-term: 3,33 mg/kg bw/d

Information about 2,6-di-tert-Butyl-p-cresol (CAS 128-37-0):

DNEL, workers, inhalative, systemic, long-term: 1,76 mg/m³

DNEL, workers, dermal, systemic, long-term: 0,5 mg/kg bw/d



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PNEC: Information about Polysulfides, di-tert-dodecyl (CAS 68425-15-0):
PNEC sediment (freshwater): 3,85 mg/kg dw
PNEC sediment (marine water): 0,385 mg/kg dw
PNEC STP: 1 g/L

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8):
PNEC water (freshwater): 4 µg/L
PNEC water (marine water): 4,6 µg/L
PNEC sediment (freshwater): 0,322 mg/kg dw
PNEC sediment (marine water): 0,032 mg/kg dw
PNEC STP: 3,8 mg/L
PNEC soil: 0,062 mg/kg dw

Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (CAS 68584-23-6):
PNEC water (freshwater): 1,0 mg/L
PNEC water (marine water): 1,0 mg/L
PNEC sediment (freshwater): 226.000.000 mg/kg dw
PNEC sediment (marine water): 226.000.000 mg/kg dw
PNEC STP: 1.000 mg/L
PNEC soil: 271.000.000 mg/kg dw

Information about 2,6-di-tert-Butyl-p-cresol (CAS 128-37-0):
PNEC water (freshwater): 0,199 µg/L
PNEC water (marine water): 0,02 µg/L
PNEC sediment (freshwater): 0,458 mg/kg dw
PNEC sediment (marine water): 0,046 mg/kg dw
PNEC STP: 0,017 mg/L
PNEC soil: 0,054 mg/kg dw

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.
Combination filtering device (DIN EN 141)
Use filter type A (= against vapours of organic substances).

Hand protection: Protective gloves according to DIN EN ISO 374:1.
Glove material: Nitrile rubber
Layer thickness: \geq 0,12 mm; Breakthrough time: 240 min
Unsuitable material: Butyl caoutchouc (butyl rubber), natural rubber (Caoutchouc) (natural latex), chloroprene rubber (polychloroprene)
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.



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General protection and hygiene measures:

Do not breathe mist/vapours/spray. Avoid oil mist formation. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

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
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	This material is combustible, but will not ignite readily.
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	190 °C
Decomposition temperature:	Not relevant
pH:	No data available
Viscosity, kinematic:	at 40 °C: 170 mm ² /s
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	5,1 log K(o/w) (2,6-di-tert-Butyl-p-cresol) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 12,5 log K(o/w) (pH: 7; Polysulfides, di-tert-dodecyl) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. at 22 °C: 3,59 log K(o/w) (pH: 5; Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	No data available
Density:	at 20 °C: 0,97 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	Pour point: -21 °C



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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, acids.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: Not relevant



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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.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met. May be harmful if inhaled.

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: Skin Sens. 1; H317 = May cause an allergic skin 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: This product contains a substance that has endocrine disrupting properties with respect to humans.

Other information: No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8):
Aquatic micro-organisms:
EC50: 380 mg/L/16h

Information about Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (CAS 68584-23-6):
Aquatic micro-organisms:
EC50: > 10.000 mg/L/3h

Information about 2,6-di-tert-Butyl-p-cresol (CAS 128-37-0):
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 0,096 mg/L/21d

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)



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12.2 Persistence and degradability

Further details: Information about Polysulfides, di-tert-dodecyl (CAS 68425-15-0):
Biodegradation: 0 %/28 d (oxygen consumption).
Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (CAS 4259-15-8):
Biodegradation: <5 %/5 d (oxygen consumption).

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
5,1 log K(o/w) (2,6-di-tert-Butyl-p-cresol)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
12,5 log K(o/w) (pH: 7; Polysulfides, di-tert-dodecyl)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
at 22 °C: 3,59 log K(o/w) (pH: 5; Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate))
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 08* = Other engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

Package

Waste key number: 15 01 10* = Packaging containing residues of or contaminated by dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.
Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe.
Empty containers should be disposed of in accordance with local regulations.



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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

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: 1 = slightly hazardous to water (Self-classification (mixture).)
Technical guidance air: 5.2.5
Information on working limitations:
Observe employment restrictions for young people.



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Further regulations, limitations and legal requirements:

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

approx. 8,6 % by weight

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

Classification procedure: Physical hazards: on basis of test data
Health hazards, environmental hazards: calculation method

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

H304 = May be fatal if swallowed and enters airways.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

Reason of change: Changes in section 3: Composition / Information on ingredients
Changes in section 8: DNEL, PNEC
Changes in section 9: Physical and chemical properties
Changes in section 12: Results of PBT and vPvB assessment
Changes in section 15: Regulatory information
General revision

Date of first version: 27.4.2022

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 Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DIN: German Institute for Standardization
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
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
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
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
STP: Sewage Treatment Plant
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/5v3164y8>

