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

1.1 Product identifier

Trade name: Eni metalStanz ST 130 CL

UFI: Q710-80G4-X00T-3D9T

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

General use: lubricants, greases, release products

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
Telefax: +49 (0)931-98442

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)

Lact.; H362	May cause harm to breast-fed children.
Aquatic Acute 1; H400	Very toxic to aquatic life.
Aquatic Chronic 1; H410	Very toxic to aquatic life with long lasting effects.
(EUH066)	Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling (CLP)

Signal word: **Warning**

Hazard statements:

H362	May cause harm to breast-fed children.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P260	Do not breathe mist/vapours/spray.
P263	Avoid contact during pregnancy and while nursing.
P273	Avoid release to the environment.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains Alkanes, C14-17, chloro.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product contains a substance that has endocrine disrupting properties with respect to humans. (Alkanes, C14-17, chloro, CAS: 85535-85-9)

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
85535-85-9	Alkanes, C14-17, chloro (SVHC)	PBT, vPvB		

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119519269-33-xxxx EC No. 287-477-0 CAS 85535-85-9	Alkanes, C14-17, chloro (SVHC) Lact.; H362. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. (EUH066). M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10.	25 - 50 %
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 - 10 %
EC No. 265-156-6 CAS 64742-53-6	Distillates (petroleum), hydrotreated light naphthenic Acute Tox. 4; H332. Asp. Tox. 1; H304. Acute toxicity estimate (ATE): Inhalative, dust/mist: 2,18 mg/L. Inhalative, vapours: 11 mg/L.	< 10 %
REACH 01-2119480472-38-xxxx EC No. 265-166-0 CAS 64742-62-7	Residual oils (petroleum), solvent-dewaxed Asp. Tox. 1; H304.	< 5 %

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

Additional information: Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Alkanes, C14-17, chloro (PBT (Article 57d); vPvB (Article 57e))

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

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: 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. 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. Subsequently 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. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.
Respiratory complaints, headache, dizziness and nausea.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Foam, extinguishing powder, sand and carbon dioxide

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: hydrogen chloride, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Use fine water spray to cool endangered containers.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid exposure. 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.
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
Cover drains.
If necessary notify appropriate authorities.

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. Obtain special instructions before use. 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.

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.
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
Do not store at temperatures below: 0 °C
Recommended storage temperature: 5 °C - 40 °C
Storage stability: 24 months

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

Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
85535-85-9	Alkanes, C14-17, chloro (SVHC)	Germany: TRGS 900 Kurzzeit	48 mg/m³; 2,4 ppm (Aerosol and vapour, inhalable fraction, may be absorbed through the skin)
		Germany: TRGS 900 Langzeit	6 mg/m³; 0,3 ppm (Aerosol and vapour, inhalable fraction, may be absorbed through the skin)
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Germany: DFG Kurzzeit	0,4 mg/m³ (compounds, inorganic; respirable fraction)
		Germany: DFG Kurzzeit	4 mg/m³ (compounds, inorganic; inhalable fraction)
		Germany: DFG Langzeit	0,1 mg/m³ (compounds, inorganic; respirable fraction)
		Germany: DFG Langzeit	2 mg/m³ (compounds, inorganic; inhalable fraction)

DNEL/DMEL:

Information about Alkanes, C14-17, chloro:
DNEL workers, inhalative, systemic, long-term: 6,7 mg/m³
DNEL workers, dermal, systemic, long-term: 47,9 mg/kg bw/d

DNEL consumers, inhalative, systemic, long-term: 2 mg/m³
DNEL consumers, dermal, systemic, long-term: 28,75 mg/kg bw/d
DNEL consumers, oral, systemic, long-term: 0,58 mg/kg bw/d

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
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

PNEC:

Information about Alkanes, C14-17, chloro:
PNEC water (freshwater): 1 µg/L.
PNEC water (marine water): 0,2 µg/L.
PNEC sediment (freshwater): 13 mg/kg dw
PNEC sediment (marine water): 2,6 mg/kg dw
PNEC soil: 11,9 mg/kg dw
PNEC sewage treatment plant: 80 mg/L.

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
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 soil: 8,33 mg/kg dw
PNEC sewage treatment plant: 3,8 mg/L.

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection:

Respiratory protection must be worn whenever the WEL levels have been exceeded.
Use combination filter type A/P3 according to EN 14387.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection:

Protective gloves according to DIN EN 374.
Glove material: nitrile rubber
Breakthrough time: 4 h
Layer thickness: 0,12 mm
Unsuitable material: butyl caoutchouc (butyl rubber), natural rubber (Caoutchouc), natural latex, polychloroprene and chloroprene rubber.
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:

Do not breathe mist/vapours/spray. Obtain special instructions before use. Do not get in eyes, on skin, or on clothing.
Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Protect skin by using skin protective cream.

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:	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:	180 °C
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 131 mm²/s (DIN 51562)
Solubility:	Not determined
Partition coefficient: n-octanol/water:	4,7 - 8,3 log K(o/w) (Alkanes, C14-17, chloro) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. at 22 °C: 3,59 log K(o/w) (Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), pH ~ 5) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	No data available
Density:	at 20 °C: 1,12 g/mL
Vapour density:	at 20 °C: 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:	Not determined
Additional information:	No data available

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

Protect from heat and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, acids.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

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.

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. Repeated exposure may cause skin dryness or cracking.

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: Lact.; H362 = May cause harm to breast-fed children.

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.
(Alkanes, C14-17, chloro, CAS: 85535-85-9)

Other information:

Information about Alkanes, C14-17, chloro:
LD50, Rat, oral: > 4.000 mg/kg
LC50, Rat, inhalative: > 48.170 mg/m³

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
LD50, Rat, oral: 3.100 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 5.000 mg/kg (OECD 402)

Information about Distillates (petroleum), hydrotreated light naphthenic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LC50, Rat, inhalative: 2,18 mg/L/4h (OECD 403)
LD50, Rabbit, dermal: > 5.000 mg/kg (OECD 402)

Information about Residual oils (petroleum), solvent-dewaxed:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LC50, Rat, inhalative: 2,18 mg/L/4h (Aerosol) (OECD 403)
LC50, inhalative: 11 mg/L/4h (vapour)
LD50, Rabbit, dermal: > 5.000 mg/kg (OECD 402)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Very toxic to aquatic life.

Information about Alkanes, C14-17, chloro:
Fish toxicity: LC50, Alburnus alburnus (alburnum): > 10.000 mg/L/96h (OECD 203)
Daphnia toxicity: EC50, Daphnia magna (Big water flea): 0,008 mg/L/48h (OECD 202)
LC50 Daphnia magna (Big water flea): 0,025 mg/L/ 21d
Algae toxicity: EC50, Pseudokirchneriella subcapitata (green algae): > 3,2 mg/L/96h (OECD 201)

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
Fish toxicity: LL50, Oncorhynchus mykiss: 4,4 mg/L/96h (OECD 203)
Daphnia toxicity: EC50, Daphnia magna (Big water flea): 75 mg/L/48h (OECD 202)
Algae toxicity: EL50, Desmodesmus subspicatus (green algae): 410 mg/L/72h (OECD 201)
toxicity to microorganisms: EC50, Pseudomonas putida, Growth inhibition: 380 mg/L/ 16h

Information about Residual oils (petroleum), solvent-dewaxed:
Fish toxicity: LL50, Pimephales promelas (fathead minnow): >100 mg/L/96h (OECD 203)
Daphnia toxicity: EL50, Daphnia magna (Big water flea): 10.000 mg/L/48h (OECD 202)
Algae toxicity: EL50, Pseudokirchneriella subcapitata (green algae): 100 mg/L/72h (OECD 201)

Water Hazard Class:

2 = obviously hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details:

No data available

Effects in sewage plants: Information about Alkanes, C14-17, chloro:
Biodegradation
Degradation rate: 13-66%/28d
Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
Biodegradation
Degradation rate: < 5%/5 d

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
4,7 - 8,3 log K(o/w) (Alkanes, C14-17, chloro)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
at 22 °C: 3,59 log K(o/w) (Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate), pH ~ 5)
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

No data available

12.6 Endocrine disrupting properties

No data available

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 04* = Mineral-based chlorinated 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

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.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
UN 3082

14.2 UN proper shipping name

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

UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17, chloro and Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate). mixture)

14.3 Transport hazard class(es)

ADR/RID, ADN:	Class 9, Code: M6
IMDG:	Class 9, Subrisk -
IATA-DGR:	Class 9

14.4 Packing group

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

III

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:	yes
Marine pollutant - ADN:	yes

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label:	9
Special Provisions:	274 335 375 601
Limited quantities:	5 L
EQ:	E1
Package - Instructions:	P001 IBC03 LP01 R001
Package - Special Provisions:	PP1
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T4
Portable tanks - Special Provisions:	TP1 TP29
Tank coding:	LGBV
Tunnel restriction code:	(-)

Inland waterway craft (ADN)

Hazard label:	9
Special Provisions:	274 335 375 601
Limited quantities:	5 L
EQ:	E1
Transport permitted:	T
Equipment necessary:	PP

Sea transport (IMDG)

EmS:	F-A, S-F
Special Provisions:	274 335 969
Limited quantities:	5 L
Excepted quantities:	E1
Package - Instructions:	P001, LP01
Package - Provisions:	PP1
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP2, TP29
Stowage and handling:	Category A.
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Miscellaneous & Environmentally hazardous
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions:	A97 A158 A197 A215
Emergency Response Guide-Code (ERG):	9L

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, unless storage class 3

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

Incident regulation: Richtlinie 2012/18/EU (Seveso III):
Umweltgefahren: Ziffer 1.3.1 = Code E1, Mengenschwelle 100 000kg / 200 000kg

Technical guidance air: 5.2.5

Information on working limitations:

Observe employment restrictions for young people. Observe employment restrictions for expectant or nursing mothers.

Further regulations, limitations and legal requirements:

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

approx. 6,75 % by weight

Labelling of packaging with <= 125mL content

Signal word: **Warning**

Hazard statements:
H362 May cause harm to breast-fed children.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] refer to Germany, 12. BImSchV

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Alkanes, C14-17, chloro.
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:

H304 = May be fatal if swallowed and enters airways.
H318 = Causes serious eye damage.
H332 = Harmful if inhaled.
H362 = May cause harm to breast-fed children.
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.
EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet
General revision

Date of first version: 26.11.2021

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

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 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
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 Dam.: Eye damage
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
Lact.: Lactation
LC50: Median lethal concentration
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
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
SVHC: Substance of very high concern
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
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/ngq5hhs9