

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name:

REWOQUAT W 3690 PG

Chemical name:

Solution of a cationic surfactant

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

Identified uses: Industrial Use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name : Evonik Nutrition & Care GmbH
Goldschmidtstr. 100
45127 Essen
Germany

Telephone : +49 201 173 01

Fax : +49 201 173 3000

E-mail : productsafety-cs@evonik.com

1.4 Emergency telephone number:

24-Hour Health : +49 2365 49 2232

Emergency : +49 2365 49 4423 (Fax)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.

Environmental Hazards

Acute hazards to the aquatic environment	Category 1	H400: Very toxic to aquatic life.
Chronic hazards to the aquatic environment	Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P273: Avoid release to the environment.
 P280: Wear protective gloves/eye protection/face protection.

Response: P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards None known.

SECTION 3: Composition/information on ingredients

Chemical name:
 Solution of a cationic surfactant

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates	>=75 - <=100%	1335203-21-8	931-745-8	01-2119582803-32	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC

Classification

Chemical name	Classification	Notes
Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates	Skin Irrit.: 2: H315; Eye Irrit.: 2: H319; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410;	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Remove contaminated clothing immediately and store/dispose of safely

4.1 Description of first aid measures

Inhalation: Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

Skin Contact: In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

Eye contact: In case of contact with eyes rinse thoroughly with water. Summon a doctor immediately.

Ingestion: Thoroughly clean the mouth with water. Call for medical advice immediately; show this safety data sheet.

4.2 Most important symptoms and effects, both acute and delayed: The following symptoms may occur: - gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: If swallowed, flush stomach.

SECTION 5: Firefighting measures

General Fire Hazards: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: Full water jet

5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released: - Nitrogen oxides (NO_x) - Sulphur oxides - carbon dioxide, carbon monoxide

5.3 Advice for firefighters

Special fire fighting procedures: Cool endangered containers by water spray. Vapours can form an explosive mixture with air.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

High risk of slipping due to leakage/spillage of product. Use personal protective equipment.

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

- 6.2 Environmental Precautions:** Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.
- 6.3 Methods and material for containment and cleaning up:** Pick up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.
- 6.4 Reference to other sections:** For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. when working with the product vapors/aerosols may be evolved; therefore a local exhaust and ventilation are recommended.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight
- 7.3 Specific end use(s):** See chapters "Protective Measures for Safe Handling" and "Safe Storage Conditions" or, if available, the enclosed Exposure Scenario

SECTION 8: Exposure controls/personal protection
**8.1 Control Parameters
Occupational Exposure Limits**

None of the components have assigned exposure limits.

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates	Workers	inhalation, long term	systemic effects; 44 mg/m3	
	Workers	dermal, long-term	systemic effects; 12.5 mg/kg	
	Workers	inhalative, acute	systemic effects; 132 mg/m3	
	Consumers	oral, long-term	systemic effects; 7.5 mg/kg	
	Consumers	inhalation, long term	systemic effects; 13 mg/m3	
	Consumers	dermal, long-term	systemic effects; 7.5 mg/kg	
	Consumers	dermal, acute	acute effects;	No DNEL/DMEL values on file.
	Consumers	inhalative, acute	local effects;	No DNEL/DMEL values on file.
Consumers	inhalative, acute	systemic effects; 39 mg/m3		

PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates	Fresh water	2 µg/l	

	marine water	0.2 µg/l	
	Wastewater treatment plant	5.64 mg/l	
	freshwater sediment	18.5 mg/kg	
	marine water sediment	1.85 mg/kg	
	soil	15.1 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: tightly fitting safety glasses

Hand Protection: Additional Information: Examples of suitable gloves are those made by the company Kächele-Cama Latex GmbH, Am Kreuzacker 9, D-36124 Eichenzell, e-mail vertrieb@kcl.de, with subsequent specification (test according to EN374); specific workplace conditions must be separately taken into account., These recommendations apply only to the product mentioned in the material data safety sheet that we supply and the purpose that we indicate.

Material: gloves made of natural latex

Break-through time: 480 min

Glove thickness: 1 mm

Material: gloves made of chloroprene (CR, e.g. Neoprene)

Break-through time: 480 min

Glove thickness: 0.65 mm

Material: gloves made of nitril (NBR)

Break-through time: 480 min

Glove thickness: 0.4 mm

Material: gloves made of butyl (IIR)

Break-through time: 480 min

Glove thickness: 0.7 mm

Material: protective gloves made of fluorinated rubber (FKM, e.g. Viton)

Break-through time: 480 min

Glove thickness: 0.7 mm

Skin and Body Protection: light protective clothing a protective ointment is recommended.

Respiratory Protection: in case of formation of vapours/aerosols: Respiratory protection mask with combination filter A-P2

Hygiene measures: Remove soiled or soaked clothing immediately. Keep away from foodstuffs and beverages. Do not eat, drink or smoke when working.

Environmental Controls: The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: liquid, transparent

Color: Yellow

Odor: Characteristic

Odor Threshold: not determined

pH: 4.0 - 5.5 (50 g/l, 20 °C) Isopropanol/water

Freezing point: approx. -15 °C

Boiling Point:	not measured
Flash Point:	110 °C (DIN EN 22719 (DIN 51758))
Evaporation Rate:	not determined
Flammability (solid, gas):	no data available
Flammability Limit - Upper (%):	12.6 %(V) Solvent
Flammability Limit - Lower (%):	2.6 %(V) Solvent
Vapor pressure:	Not measured
Vapor density (air=1):	not measured
Density:	approx. 0.998 g/cm ³ (20 °C) (DGF-C-IV-2)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	(20 °C) Dispersible
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not determined
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	approx. 500 mPa.s (20 °C, Brookfield)

9.2 Other information

Explosive properties:	not determined
Oxidizing properties:	not determined
Minimum ignition temperature:	not measured
Metal Corrosion:	not measured

SECTION 10: Stability and reactivity

10.1 Reactivity:	see section "Possibility of hazardous reactions"
10.2 Chemical Stability:	The product is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Evolution of explosive gases/vapours.
10.4 Conditions to avoid:	Unknown
10.5 Incompatible Materials:	Unknown
10.6 Hazardous Decomposition Products:	None with proper storage and handling.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: LD 50 (Rat): > 15,200 mg/kg Figure relates to the main component
 LD 50 (Rat): > 2,000 mg/kg (OECD 423)

Components:

Imidazolium compounds, LD 50 (Rat): > 15,200 mg/kg
 2-C17-unsatd.-alkyl-1-(2- LD 50 (Rat): > 2,000 mg/kg
 C18-unsatd. amidoethyl)-
 4,5-dihydro-N-methyl, Me
 sulfates

Dermal

Product: LD 50 (Rat) > 2,000 mg/kg (OECD Test Guideline 402) Figure relates to the main component, (analogy)

Components:

Imidazolium LD 50 (Rat): > 2,000 mg/kg
 compounds, 2-C17-
 unsatd.-alkyl-1-(2-C18-
 unsatd. amidoethyl)-
 4,5-dihydro-N-methyl,
 Me sulfates

Inhalation

Product: no data available

Components:

Imidazolium compounds, No data available.
 2-C17-unsatd.-alkyl-1-(2-
 C18-unsatd. amidoethyl)-
 4,5-dihydro-N-methyl, Me
 sulfates

Repeated dose toxicity

Product: NOAEL (Rat, Oral, in the feed.): 100 mg/kg

Components:

Imidazolium compounds, NOAEL (Rat, Oral, in the feed.): 100 mg/kg
 2-C17-unsatd.-alkyl-1-(2-
 C18-unsatd. amidoethyl)-
 4,5-dihydro-N-methyl, Me
 sulfates

Skin Corrosion/Irritation:

Product: Irritating.

OECD 404 (Rabbit): Irritating. Figure relates to the main component

Components:

Imidazolium
 compounds, 2-C17-
 unsatd.-alkyl-1-(2-C18-
 unsatd. amidoethyl)-
 4,5-dihydro-N-methyl,
 Me sulfates
 OECD 404 (Rabbit): Irritating.

Serious Eye Damage/Eye Irritation:

Product: Irritant

OECD 405 (rabbit eye): Irritant (analogy) Figure relates to the main component

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates

Irritating.
 OECD 405 (Rabbit): Irritating.

Respiratory or Skin Sensitization:

Product:

non-sensitizing

(Guinea Pig)non-sensitizing Figure relates to the main component

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates

(Guinea Pig)non-sensitizing

Germ Cell Mutagenicity

In vitro

Product:

bacterial reverse mutation assay (e.g. Ames test) (OECD 471): negative Values refer to the main component.
 gene mutation (OECD 476): negative Values refer to the main component.

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates

Ames test (OECD 471): negative The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
 gene mutation (OECD 476): negative

In vivo

Product:

No data available.

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates

No data available.

Carcinogenicity

Product:

No data available.

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates

No data available.

Reproductive toxicity

Product:

No data available.

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Specific Target Organ Toxicity - Single Exposure

Product: no data available

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: no data available

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Aspiration Hazard

Product: Not classified

Components:

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Other adverse effects: The substance has no mutagenic activity (Ames Test) Toxicological data refer to the main component. Regulation (EC) No. 1272/2008 Causes skin irritation. Causes serious eye irritation.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: LC 50 (Leuciscus idus, 96 h): 1.8 mg/l (OECD 203) Figure relates to the main component

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates LC 50 (Leuciscus idus (Golden orfe), 96 h): 1.8 mg/l (OECD 203)

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 48 h): 0.105 mg/l (OECD 202) Figure relates to the main component

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates EC 50 (Daphnia magna (Water flea), 48 h): 0.105 mg/l (OECD 202)

Toxicity to Aquatic Plants

Product: No data available.

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Toxicity to microorganisms

Product: EC 50 (activated sludge, 3 h): 564 mg/l (OECD 209) Figure relates to the main component

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates EC 50 (activated sludge, 3 h): 564 mg/l (OECD 209)

Chronic Toxicity**Fish**

Product: No data available.

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

Aquatic Invertebrates

Product: NOEC (Daphnia magna, 63 d): > 0.1 mg/l Information refers to the main component.

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates NOEC (Daphnia magna (Water flea), 21 d): > 0.145 mg/l (OECD 211) Own test result.

Toxicity to Aquatic Plants

Product: No data available.

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

12.2 Persistence and Degradability

Biodegradation

Product: The product is not readily biodegradable according to OECD criteria.

BOD/COD Ratio

Product No data available.

Components

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates No data available.

12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates Non-classified vPvB substance Non-classified PBT substance

12.6 Other adverse effects:

Do not allow to enter soil, waterways or waste water canal. Ecological data refer to the main components The product is classified as extremely hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

14.1 UN number

ADR : UN 3082

RID : UN 3082

IMDG : UN 3082

IATA : UN 3082

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

	(quaternary ammonium compounds)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (quaternary ammonium compounds)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (quaternary ammonium compounds)
IATA	: Environmentally hazardous substance, liquid, n.o.s. (quaternary ammonium compounds)

14.3 Transport hazard class(es)

ADR	: 9
RID	: 9
IMDG	: 9
IATA	: 9

14.4 Packing group

ADR	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
RID	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
IMDG	
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
Remarks	: Stowage category A

IATA (Cargo aircraft only)

Packing instruction (cargo aircraft)	: 964
Packing instruction (LQ)	: Y964
Packing group	: III
Labels	: 9MI

IATA (Passenger and cargo aircraft)

Packing instruction (passenger aircraft)	: 964
Packing instruction (LQ)	: Y964
Packing group	: III
Labels	: 9MI

14.5 Environmental hazards

ADR	
Environmentally hazardous	: yes
RID	
Environmentally hazardous	: yes

IMDG

Marine pollutant : yes

IATA (Passenger and cargo aircraft)

Environmentally hazardous : yes

IATA (Cargo aircraft only)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:**

E1. Hazardous to the aquatic environment 100 t 200 t

National Regulations**15.2 Chemical safety assessment:** No chemical safety assessment was carried out for this product.**International regulations****SECTION 16: Other information****Abbreviations and acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN** - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW** - Occupational exposure limit; **ASTM** - American Society for Testing and Materials; **AwSV** - Ordinance on facilities for handling substances that are hazardous to water; **BSB** - Biochemical oxygen demand; **c.c.** - closed cup; **CAS** - Chemical Abstract Services; **CESIO** - European Committee of Organic Surfactants and their Intermediates; **CSB** - Chemical oxygen demand; **DMEL** - Derived minimum effect level; **DNEL** - Derived no effect level; **EbC50** - median concentration in terms of reduction of growth; **EC** - Effective concentration; **EINECS** - European Inventory of Existing Commercial Chemical Substances; **EN** - European norm; **ErC50** - median concentration in terms of reduction of growth rate; **GGVSEB** - German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee** - German ordinance for sea transportation of dangerous goods; **GLP** - Good Laboratory Practice; **GMO** - Genetic Modified Organism; **IATA** - International Air Transport Association; **ICAO** - International Civil Aviation Organization; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organization For Standardization; **LD/LC** - lethal dosis/concentration; **LOAEL** - Lowest observed adverse effect level; **LOEL** - Lowest observed effect level; **M-Factor** - multiplying factor; **NOAEL** - No observed adverse effect level; **NOEC** - no observed effect concentration; **NOEL** - no observed effect level; **o.c.** - open cup; **OECD** - Organisation for Economic Cooperation and Development; **OEL** - Occupational Exposure Limit; **PBT** - Persistent, bioaccumulative, toxic; **PNEC** - Predicted no effect concentration; **REACH** - REACH registration; **RID** - Convention concerning International Carriage by Rail; **SVHC** - Substances of Very High Concern; **TA** - Technical Instructions; **TRGS** - Technical Rules for Hazardous Substances; **vPvB** - very persistent, very

bioaccumulative; WGK - Water Hazard Class
--

Key literature references and sources for data: No data available.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Skin irritation, Category 2	On basis of test data
Serious eye irritation, Category 2	On basis of test data
Acute hazards to the aquatic environment, Category 1	On basis of test data
Chronic hazards to the aquatic environment, Category 1	On basis of test data

Wording of the H-statements in section 2 and 3

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Training information: Comply with national laws regulating employee instruction.

SDS No.:

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.