



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Ref. MA10000347/D

Rev. no. 1.6

## StoProtect Transparent

Revision Date 03.04.2020

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name StoProtect Transparent (StoSuperlit Protect)

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

Auxiliary

Uses advised against This information is not available.

#### 1.3 Details of the supplier of the safety data sheet

Sto SE & Co. KGaA  
Ehrenbachstr. 1  
D - 79780 Stühlingen  
Telephone: +49 7744 57-0  
Telefax: +49 7744 57 -2178  
infoservice@sto.com

E-mail address of person responsible for the SDS European Union  
Sto SE & Co. KGaA  
TIQ Quality Management Department  
e.volz@sto.com

#### 1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

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

Precautionary statements **Prevention:**  
P273 Avoid release to the environment.

**Disposal:**  
P501 Contents/container to be disposed of through

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approved disposal contractor or taken to municipal collection point.

**Additional Labelling:**

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1). May produce an allergic reaction.

These are preservatives.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Chemical nature

Sealing

Components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400 M-Factor (Acute aquatic toxicity): 1	≥ 0,025 - < 0,05
pyrithione zinc	13463-41-7 236-671-3	Acute Tox.3; H301 Acute Tox.4; H332 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 10	≥ 0,0025 - < 0,025
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1)	55965-84-9	Acute Tox.2; H330 Acute Tox.2; H310 Acute Tox.3; H301 Skin Corr.1C; H314 Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	≥ 0,0002 - < 0,0015

For explanation of abbreviations see section 16.

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### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No information available.
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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media	Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical Water spray
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Unsuitable extinguishing media	High volume water jet
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#### 5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Exposure to decomposition products may be a hazard to health.

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### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Additional advice

Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation.  
Do not breathe vapour.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean with detergents. Avoid solvents.  
Dispose of contaminated material as waste according to item 13.  
Clean contaminated surface thoroughly.

### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes.  
Prevent unauthorized access.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Comply with the statutory regulations on health and safety at work.

#### Hygiene measures

Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage areas and containers

Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store in original container.  
Observe label precautions.  
Protect from frost, heat and sunlight.

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Advice on common storage

Keep away from oxidizing agents and strongly acid or alkaline materials.

**7.3 Specific end use(s)**

For further information, see also Technical Data Sheet for the product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Exposure limit(s)

Components		CAS-No.
Basis	Type:	Control parameters

The lists that were valid during the creation were used as basis. Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation.

##### Individual protection measures, such as personal protective equipment

a) Eye/face protection

Wear protective goggles for protection against splashed liquid.

Safety glasses with side-shields conforming to EN166

b) Skin protection

Hand protection

Recommended preventive skin protection

Before starting work, apply water-resistant skincare preparations to exposed skin areas.

Protective gloves should be worn in case of skin contact during preparation and application.

Break through time: 480 min

Minimum thickness: 0,11 mm

Gloves made of nitrile rubber, e.g. KCL 740 Dermatril® (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.

Cotton undergloves are recommendable when wearing protective gloves!

Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Body Protection

Work clothes

Skin should be washed after contact.

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Do NOT use solvents or thinners.

c) Respiratory protection

No personal respiratory protective equipment normally required.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Employees involved in spraying work or in the immediate vicinity of such work should use a P2 particle filter against spray fog.  
Respiratory protection complying with EN 143.

### Environmental exposure controls

General advice

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	paste
Colour	white
Odour	Weak, characteristic
Odour Threshold	No data available
pH	ca. 8,0 - 9,5 (20 °C)
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	not applicable
Flash point	> 100 °C
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour density	No data available
Density	ca. 1,02 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	completely miscible
Partition coefficient: n-octanol/water	not determined

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Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity	
Viscosity, dynamic	ca. 1.800 - 2.400 mPa.s (20 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable

### 9.2 Other information

Flow time	No data available
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions                      This information is not available.

### 10.4 Conditions to avoid

Conditions to avoid                      Stable under recommended storage and handling conditions (see section 7).

### 10.5 Incompatible materials

Materials to avoid                      Strong acids and strong bases  
    Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products      No decomposition if stored and applied as directed.  
Decomposition temperature              No data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Based on available data, the classification criteria are not met.

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### Components:

#### **1,2-benzisothiazol-3(2H)-one:**

Acute oral toxicity Harmful if swallowed.

#### **pyrithione zinc:**

Acute oral toxicity LD50 (Rat): 200 mg/kg  
Method: OECD Test Guideline 423

Acute inhalation toxicity Harmful if inhaled.

#### **reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1):**

Acute oral toxicity Toxic if swallowed.

Acute inhalation toxicity Fatal if inhaled.

Acute dermal toxicity Fatal in contact with skin.

### **Skin corrosion/irritation**

#### Product:

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

### Components:

#### **1,2-benzisothiazol-3(2H)-one:**

Causes skin irritation.

#### **reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1):**

Causes severe skin burns and eye damage.

### **Serious eye damage/eye irritation**

#### Product:

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

### Components:

#### **1,2-benzisothiazol-3(2H)-one:**

Causes serious eye damage.

#### **pyrithione zinc:**

Causes serious eye damage.

### **Respiratory or skin sensitisation**

#### Product:

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

### Components:

#### **1,2-benzisothiazol-3(2H)-one:**

May cause an allergic skin reaction.

#### **reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1):**

May cause an allergic skin reaction.

### **Germ cell mutagenicity**

#### Product:

Genotoxicity in vitro Based on available data, the classification criteria are not met.



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### Carcinogenicity

#### Product:

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

### Reproductive toxicity

#### Product:

Effects on fertility

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

Developmental Toxicity

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

### STOT - single exposure

#### Product:

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

### STOT - repeated exposure

#### Product:

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

### Aspiration toxicity

#### Product:

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

### Further information

#### Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Product:

Toxicity to fish

No data available

#### Components:

##### **1,2-benzisothiazol-3(2H)-one:**

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia (water flea)): 2,94 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants

EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity)

1

Toxicity to microorganisms

EC50 (Pseudomonas putida): 0,4 mg/l

Exposure time: 16 h

#### **pyrithione zinc:**

Toxicity to fish

LC50 (Danio rerio (zebra fish)): 0,0104 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 0,051 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	EC50 (Skeletonema costatum (marine diatom)): 0,0013 mg/l Exposure time: 72 h  NOEC (Skeletonema costatum (marine diatom)): 0,00046 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	100
Toxicity to fish (Chronic toxicity)	NOEC: 0,00125 mg/l Exposure time: 28 d Species: Danio rerio (zebra fish)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,0022 mg/l Exposure time: 21 d Species: Daphnia (water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	10
<b>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1):</b>	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 0,12 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l Exposure time: 48 h  NOEC (Skeletonema costatum (marine diatom)): 0,00049 mg/l Exposure time: 48 h
M-Factor (Acute aquatic toxicity)	100
Toxicity to fish (Chronic toxicity)	NOEC: 0,098 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,004 mg/l Exposure time: 21 d Species: Daphnia (water flea)
M-Factor (Chronic aquatic toxicity)	100

### 12.2 Persistence and degradability

#### Product:

Biodegradability No data available

#### Components:

**1,2-benzisothiazol-3(2H)-one:**

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Biodegradability rapidly degradable  
Biodegradation: > 90 %  
Method: OECD Test Guideline 303A

**pyrithione zinc:**  
Biodegradability Inoculum: activated sludge  
rapidly degradable  
Biodegradation: > 85 %  
Method: OECD Test Guideline 303A

**reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1):**  
Biodegradability not rapidly degradable

### 12.3 Bioaccumulative potential

**Product:**  
Bioaccumulation No data available

**Components:**  
**1,2-benzisothiazol-3(2H)-one:**  
Partition coefficient: n-octanol/water log Pow: 0,4

**pyrithione zinc:**  
Partition coefficient: n-octanol/water log Pow: 1,21  
Method: OECD Test Guideline 107

### 12.4 Mobility in soil

**Product:**  
Mobility No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**  
Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**  
Additional ecological information Do not allow product to enter into ground water, bodies of water or sewage systems.  
Harmful to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product The user is responsible for proper coding and marking of any waste.  
When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste"

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Allow plaster residues to dry, or thicken with cementitious binders.

Unhardened product residues should be disposed of under the recommended waste code number.

Contaminated packaging

Packaging that is not properly emptied must be disposed of as the unused product.  
Empty packaging should be recycled through disposal systems.

Waste key for the unused product

08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

(\*) hazardous waste in terms of the European directive 2008/98/EG

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks

This information is not available.

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

Remarks

Not applicable

### SECTION 15: REGULATORY INFORMATION

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

VOC

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Directive 2010/75/EU < 0,1 %

VOC  
Directive 2004/42/EC 1,7 %  
17,3 g/l

EU limit value for this product (cat. A/i) :140 g/l This product contains max140 g/IVOC.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

Other regulations Comply with the statutory regulations on health and safety at work.

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: OTHER INFORMATION

**Changes from the previous version are indicated by markings in the left-hand margin. The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.**

### Full text of H-Statements

H301 : Toxic if swallowed.  
H302 : Harmful if swallowed.  
H310 : Fatal in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H330 : Fatal if inhaled.  
H332 : Harmful if inhaled.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Skin Corr. : Skin corrosion  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by

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Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Other information

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS

Department TIQS Sto SE & Co. KGaA Stühlingen, Germany  
e.volz@sto.com

Product code  
REG\_EU / EN

PROD0956

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