

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE

<b>NAME OF THE PRODUCT</b>	Anti-dust coating
<b>CODE</b>	030001 (20 L) 030900 (5 L)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture.

#### Additional Labelling

EUH210 Safety data sheet available on request.  
Avoid contact with skin.

EUH208 Contains mixture 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), 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.  
Preservation agents.

### 2.3 Other hazards

**Results of PBT and vPvB assessment at levels of 0.1% or higher.**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance


No data available.








### 3.2. Chemical characterisation: Mixtures

#### Description:

Product contains Preservative agent.

#### Components

Identification		
CAS: 55965-84-9 EC No: - Index No. Registration number: 613-167-00-5	Mixture 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 Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310	< 0,0015

	 Skin Corr. 1B; H314  Eye Dam. 1; H318 Skin Sens. 1; H317  Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
CAS: 2682-20-4 EC: 220-239-6 Index No. Registration number: -	2-Methyl-2H-isothiazol-3-one  Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311  Skin Corr. 1B; H314  Eye Dam. 1; H318 Skin Sens. 1; H317  Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0,0015

**Additional information:**

For explanation of abbreviations see section 16.

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General indications:**

First aider needs to protect himself. Remove from exposure, lie down. Victim to lie down in the recovery position, cover and keep him warm. Take off all contaminated clothing immediately.

**If inhalation:**

Remove person to fresh air. If signs/symptoms continue, get medical attention.

**In case of skin contact:**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

**In case of 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. Get medical attention if irritation develops and persists.

**If swallowed:**

Do not induce vomiting; call a physician immediately.

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

Non known.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Treatment:**

Treat symptomatically.

## 5. FIREFIGHTING MEASURES

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### 5.1 Extinguishing media:

**· Suitable extinguishing agents:**

CO<sub>2</sub>, dry powder, water spray jet and alcohol-resistant foam.

**Unsuitable extinguishing agents**

High volume water jet.

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

None known.

### 5.3 Advice for firefighters:

**Special protective equipment for firefighters:**

Use personal protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation, especially in confined areas.

Avoid contact with skin, eyes and clothing.

Use personal protective equipment.

Sweep up to prevent slipping hazard.

Forms slippery/greasy layers with water.

### 6.2 Environmental precautions:

Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform respective authorities.

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

**Methods for cleaning up:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

**Local/Total ventilation:**

Ensure adequate ventilation.

**Advice on safe handling:**

Avoid contact with skin and eyes.

Do not breathe vapours, aerosols.

Do not get on skin or clothing.

**Advice on protection against fire and explosion:**

No special protective measures against fire required.

The product is not flammable.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage:

Store in original container. Keep in a dry, cool and well-ventilated place.

### Further information about storage conditions:

Keep away from food and drink.

## 7.3 Specific end use(s)

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limits

Identification			
Sucrose CAS: 57-50-1	TWA	--	10 mg/m <sup>3</sup>
	GB EH40		
	STEL	--	20 mg/m <sup>3</sup>
Glycerol CAS: 56-81-5	GB EH40		
	TWA	--	10 mg/m <sup>3</sup>
	GB EH40		
	STEL	--	--
	GB EH40		

#### Additional indications additional:

Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.

### 8.2 Exposure controls:

Personal protective equipment:



#### Respiratory protection

Apply technical measures to comply with the occupational exposure limits.

In the case of vapour formation use a respirator with an approved filter.



#### Eyes protection

Safety glasses with side-shields conforming to EN166



#### Protection of hands

Nitrile rubber gloves

Glove thickness:  $\geq 0,11$  mm

Directive: DIN EN 374

\*Remarks: The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

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.

Preventive skin protection



### Body protection

Please wear suitable protective clothing, e.g. made of cotton or heat-resistant synthetic fibres.

Long sleeved clothing

### Additional information

#### General protective and hygienic measures:

Avoid contact with the skin and the eyes.

Wear suitable protective equipment.

Follow the skin protection plan.

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information

Appearance	Liquid
Form:	Not determined
Colour:	Colourless
Odour:	characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable
Change in condition	
Melting point/freezing point:	Undetermined.
Boiling point/boiling range:	ca. 100°C
Flash point:	Not applicable
Flammability (liquids):	Will not burn
Self-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Self-igniting	Not determined
Danger of explosion	Not determined
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Vapour pressure	Not determined
Density at 20 °C	1.1 g/cm <sup>3</sup>
Vapour density	Not applicable
Evaporation rate	Not applicable
Solubility in / Miscibility with water:	Completely miscible
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined

### 9.2 Other information

No further relevant information available.

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity:

No decomposition if used as directed.

### 10.2 Chemical stability:

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions:

#### Hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid:

Protect from frost, heat and sunlight.

### 10.5. Incompatible materials:

No data available.

### 10.6 Hazardous decomposition products:

No decomposition if stored and applied as directed.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

#### Acute toxicity:

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

Components				
mixture 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):  CAS: 55965-84-9	Oral	LD50	64 mg/kg(rat)	Test atmosphere: dust/mist
	Dermal	LD50	78 mg/kg (rat)	
	Inhalation	LC50 (4h)	0,33 mg/l (rabbit)	
2-Methyl-2H-isothiazol-3-one  CAS: 2682-20-4	Oral	LD50	120 mg/kg(rat)	Test atmosphere: dust/mist
	Dermal	LD50	242 mg/kg (rat)	
	Inhalation	LC50 (4h)	0,11 mg/l (rabbit)	

#### Serious eye damage/eye irritation

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

### Skin corrosion/irritation

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

Components	
mixture 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): CAS: 55965-84-9	Result: Corrosive after 4 hours or less of exposure.
2-Methyl-2H-isothiazol-3-one CAS: 2682-20-4	Result: Corrosive after 3 minutes to 1 hour of exposure

### Respiratory or skin sensitisation:

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

Components	
mixture 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): CAS: 55965-84-9	Assessment: The product is a skin sensitizer. Sub-category 1A.
2-Methyl-2H-isothiazol-3-one CAS: 2682-20-4	Result: The product is a skin sensitizer. Sub-category 1A.

### CMR effects (carcinogenetic, mutagenicity and reproductive toxicity)

#### Germ cell mutagenicity

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.

#### Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):

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

Components	
2-Methyl-2H-isothiazol-3-one CAS: 2682-20-4	Assessment: May cause respiratory irritation.

#### Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):

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

#### Aspiration hazard

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

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Identification			Exposure time	Toxicity
mixture 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)  CAS: 55965-84-9	LC50 Oncorhynchus mykiss (rainbow trout)	0,19 mg/L	(96h)	Fish
	EC50 (Daphnia magna (Water flea)	0,16 mg/L	(48h)	Daphnia and other aquatic invertebrates
	EC50 (Selenastrum capricornutum (green algae)):	0,027 mg/L	(72h)	Algae
	NOEC (Skeletonema costatum (marine diatom))	0.0014 mg/l	(72h)	Algae
M-Factor ( <b>Acute Aquatic toxicity</b> ) :100				

Identification			Exposure time	Chronic Toxicity
mixture 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)  CAS: 55965-84-9	NOEC Oncorhynchus mykiss (rainbow trout)	0,05 mg/L	(14 days)	Fish
	NOEC (Daphnia magna (Water flea)	0,1 mg/L	(21 days)	Daphnia and other aquatic invertebrates
M-Factor ( <b>Acute Aquatic toxicity</b> ) :100				

Identification			Exposure time	Toxicity
2-Methyl-2H-isothiazol- 3-one  CAS: 2682-20-4	LC50 Oncorhynchus mykiss (rainbow trout)	4,77 mg/L	(96h)	Fish
	EC50 (Daphnia magna (Water flea)	>= 0,93mg/L	(48h)	Daphnia and other aquatic invertebrates
	EC50 (Selenastrum capricornutum (green algae)):	158 mg/L	(72h)	Algae
	NOEC (Skeletonema costatum (marine diatom))	0.0014 mg/l	(72h)	Algae
M-Factor ( <b>Acute Aquatic toxicity</b> ) :1				



Identification			Exposure time	Chronic Toxicity
2-Methyl-2H-isothiazol-3-one CAS: 2682-20-4	NOEC (Daphnia magna (Water flea)	0,04 mg/L	(21 days)	Daphnia and other aquatic invertebrates
Method: OECD Test Guideline 211				
Ecotoxicology Assessment ( <b>Chronic Aquatic toxicity</b> ): Toxic to aquatic life with long lasting effects				

### 12.2 Persistence and degradability:

No data available.

### 12.3 Bioaccumulative potential:

Component:

Identification	Partition coefficient: n-octanol/water	
mixture 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) CAS: 55965-84-9	Low pow	0,401

### 12.4 Mobility in soil:

No data available.

### 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment at levels of 0.1% or higher:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Other adverse effects:

**Additional ecological information**

No data available

## 13. DISPOSAL CONSIDERATION

### 13.1 Waste treatment methods:

#### Product

Dispose of in accordance with local regulations.

Send to a licensed waste management company.

#### Contaminated packaging

Packaging that is not properly emptied must be disposed of as the unused product.

Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

<b>14.1 UN-Number</b>	Not regulated as a dangerous good
<b>14.2 UN proper shipping name</b>	Not regulated as a dangerous good
<b>14.3 Transport hazard class(es)</b>	Not regulated as a dangerous good
<b>14.4 Packing group</b>	Not regulated as a dangerous good
<b>14.5 Environmental hazards:</b>	Not regulated as a dangerous good
<b>14.6 Special precautions for user:</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable for product as supplied.

## 15. REGULATORY INFORMATION

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

**REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):**

Not applicable

**REACH - List of substances subject to authorisation (Annex XIV):**

Not applicable

**Regulation (EC) No 1005/2009**

**On substances that deplete the ozone layer:**

Not applicable

**Regulation (EC) No 850/2004**

**On persistent organic pollutants:**

Not applicable

**REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):**

Not applicable

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**

Not applicable

### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has been carried out.

### 15.3 Other regulations

The treated article incorporates biocidal products contains:  
 Preservation agents.

## 16. OTHER INFORMATION

### 16.1 Relevant phrases

H301: Toxic if swallowed.  
H310: Fatal in contact with skin.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H330: Fatal if inhaled.  
H335: May cause respiratory 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.  
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 Sens.: Skin sensitisation  
STOT SE: Specific target organ toxicity - single exposure  
GB EH40:UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA: Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL: Short-term exposure limit (15-minute reference period)

### 16.2. 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;  
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  
EC<sub>x</sub> - Concentration associated with x% response  
EL<sub>x</sub> - Loading rate associated with x% response  
EmS - Emergency Schedule  
ENCS - Existing and New Chemical Substances (Japan)  
ErC<sub>x</sub> - 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  
IC<sub>50</sub> - Half maximal inhibitory concentration  
ICAO - International Civil Aviation Organization  
IECSC - Inventory of Existing Chemical Substances in China  
IMDG - International Maritime Dangerous Goods

IMO - International Mari-time Organization  
SHL - 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 Sub-stances Control Act (United States)  
UN - United Nations;  
vPvB - Very Persistent and Very Bioaccumulative

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.