



# Safety data sheet

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Code: MAX025046S – MAX025045S  
Product name Ultramax Smalto Opaco

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

Intended use Water based acrylic priming-enamel

Identified Uses	Industrial	Professional	Consumer
Paint/Coating	-	-✓	-✓

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

Name CROMOLOGY ITALIA SPA  
Full address Sede Legale: Via IV Novembre, 4  
District and Country 55016 Porcari LU  
ITALY  
Tel. 199119955 (+39)05832424  
Fax 199119977

e-mail address of the competent person responsible for the Safety Data Sheet info-sds@cromology.it

Product distribution by: CROMOLOGY ITALIA SPA

### 1.4. Emergency telephone number

For urgent inquiries refer to Numeri telefonici dei principali Centri Antiveleni italiani (attivi 24/24 ore):  
Centro Antiveleni di Pavia 0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia); Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca` Granda - Milano); Centro Antiveleni di Bergamo 800 883300 (CAV Azienda Ospedaliera Papa Giovanni XXII - Bergamo); Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze); Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma); Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma); Centro Antiveleni Pediatrico di Roma 06 68593726 (CAVp Osp. Pediatrico Bambino Gesù- Roma); Centro Antiveleni di Foggia 0881 732326 (Azienda Ospedaliero Universitaria di Foggia); Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli).

Per ulteriori informazioni: Cromology Italia SpA 199119955 (+39)05832424 dal Lunedì al Venerdì 9:30-12:30 14:00-17:30.

**SECTION 2. Hazards identification**

## 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

Hazard classification and indication:

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

**EUH208**

Contains:

1,2-BENZOISOTIAZOL-3(2H)-ONE

2-METIL-2H-ISOTIAZOL-3-ONE

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one. [EC no. 220-239-6] (3:1)

May produce an allergic reaction.

**EUH210**

Safety data sheet available on request.

Precautionary statements:

VOC (Directive 2004/42/EC) :

Interior/exterior trim and cladding paints for wood, metal or plastic.

VOC given in g/litre of product in a ready-to-use condition :

Limit value: 130 (2010)

VOC of product : 30,00

## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients**

## 3.1. Substances

Information not relevant

**SECTION 3. Composition/information on ingredients** ... / >>**3.2. Mixtures****Contains:****Identification**                      **Conc. %**                      **Classification 1272/2008 (CLP)****DIPROPYLENE GLYCOL MONOMETHYL ETHER**

CAS      34590-94-8      0,4 - 0,7

EC      252-104-2

Reg. no.      01-2119450011-60-XXXX

*Substance with a community workplace exposure limit.***TRIETHYLAMINE**

CAS      121-44-8      0,1 - 0,2      Flam. Liq. 2 H225, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1A H314, STOT SE 3 H335

EC      204-469-4

INDEX      612-004-00-5

Reg. no.      01-2119475467-26-XXXX

**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      0,00 - 0,0015      Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=10

EC      611-341-5

INDEX      613-167-00-5

**2-METIL-2H-ISOTIAZOL-3-ONE**

CAS      2682-20-4      0,00 - 0,1      Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1B H314, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC      220-239-6

**1,2-BENZOISOTIAZOL-3(2H)-ONE**

CAS      2634-33-5      0,00 - 0,05      Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC      220-120-9

INDEX      613-088-00-6

Note: Upper limit is not included into the range

The full wording of hazard (H) phrases is given in section 16 of the sheet.

**SECTION 4. First aid measures****4.1. Description of first aid measures****EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.**SKIN:** Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.**INHALATION:** Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.**4.2. Most important symptoms and effects, both acute and delayed**

Specific information on symptoms and effects caused by the product are unknown.

For symptoms and effects caused by the contained substances, see section 11.

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

Information not available

**SECTION 5. Firefighting measures**

## 5.1. Extinguishing media

**SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

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

**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

## 5.3. Advice for firefighters

**GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures**

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

## 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment.

Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

## 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage**

## 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Wash hands after use.

**SECTION 7. Handling and storage** ... / >>

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

Keep the product in clearly labelled containers. Store the containers sealed, in a well ventilated place, away from direct sunlight.

## 7.3. Specific end use(s)

Information not available

**SECTION 8. Exposure controls/personal protection**

## 8.1. Control parameters

## Regulatory References:

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR		
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Council of Netherlands (SER) Values, AF 2011:18
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
EU	OEL EU	Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	DNEL/DMEL	
	TLV-ACGH	
	TLV-ACGIH	ACGIH 2016

**SECTION 8. Exposure controls/personal protection ... / >>**
**1,2-PROPANEDIOL**
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
WEL	GBR	474	150		

**Predicted no-effect concentration - PNEC**

Normal value of STP microorganisms	20.000	mg/l
Normal value in fresh water	260	mg/l
Normal value for fresh water sediment	572	mg/kg
Normal value for marine water sediment	57,2	mg/kg
Normal value for the terrestrial compartment	50	mg/kg
Normal value for water, intermittent release	183	mg/l

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			50 mg/mc	10 mg/mc			168 mg/mc	10 mg/mc

**NERO DI CARBONE AMORFO**
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
DNEL/DMEL		2			
TLV-ACGH		3			
VLA	ESP	3			
INRS	FRA	3			
WEL	GBR	3		7	
OEL	ITA	3			
MAC	NLD	3			

**DIPROPYLENE GLYCOL MONOMETHYL ETHER**
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
TLV-ACGIH		606	100	909	150	SKIN
AGW	DEU	310	50	310	50	
MAK	DEU	310	50	310	50	
VLA	ESP	308	50			SKIN
VLEP	FRA	308	50			SKIN
WEL	GBR	308	50			SKIN
TLV	GRC	600	100	900	150	
VLEP	ITA	308	50			SKIN
VLE	PRT	308	50			SKIN
OEL	EU	308	50			SKIN

**SECTION 8. Exposure controls/personal protection ... / >>**
**AMORPHOUS SILICATE HYDRATE**
**Threshold Limit Value**

Type	Country	TWA/8h mg/m <sup>3</sup>	ppm	STEL/15min mg/m <sup>3</sup>	ppm	
AGW	DEU	4				INHAL
MAK	DEU	4				INHAL

**TRIETHYLAMINE**
**Threshold Limit Value**

Type	Country	TWA/8h mg/m <sup>3</sup>	ppm	STEL/15min mg/m <sup>3</sup>	ppm	
TLV-ACGIH			0,5		1	SKIN
AGW	DEU	4,2	1	8,4	2	SKIN
MAK	DEU	4,2	1	8,4	2	
VLA	ESP	8,4	2	12,6	3	SKIN
VLEP	FRA	4,2	1	12,6	3	SKIN
WEL	GBR	8	2	17	4	SKIN
TLV	GRC	40	10	60	15	
VLEP	ITA	8,4	2	12,6	3	SKIN
OEL	NLD	4,2		12,6		SKIN
VLE	PRT	8,4	2	12,6	3	SKIN
OEL	EU	8,4	2	12,6	3	SKIN

**Legend:**

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
 VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

**SECTION 8. Exposure controls/personal protection ... / >>**

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Various colours
Odour	Light, characteristic
Odour threshold	Not available
pH	8,5
Melting point / freezing point	Not available
Initial boiling point	100 °C
Boiling range	Not available
Flash point	> 60 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,250 kg/l 20°C
Solubility	Desperdible in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	4000 mPa.s
Explosive properties	Not available
Oxidising properties	Not available

**9.2. Other information**

VOC (Directive 2004/42/EC) : 130,00 g/litre

**SECTION 10. Stability and reactivity****10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

**DIPROPYLENE GLYCOL MONOMETHYL ETHER:** may react with oxidising agents. When heated to decomposition it releases harsh and irritating fumes and vapours.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid**

None in particular. However the usual precautions used for chemical products should be respected.

**SECTION 10. Stability and reactivity** ... / >>

## 10.5. Incompatible materials

Information not available

## 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

**SECTION 11. Toxicological information**

In mancanza di dati tossicologici sperimentali sul prodotto stesso, gli eventuali pericoli del prodotto per la salute sono stati valutati in base alle proprietà delle sostanze contenute, secondo i criteri previsti dalla normativa di riferimento per la classificazione. Considerare perciò la concentrazione delle singole sostanze pericolose eventualmente citate in sez. 3, per valutare gli effetti tossicologici derivanti dall'esposizione al prodotto.

## 11.1. Information on toxicological effects

This product contains sensitizing substance/s and may cause allergic reactions.

## 2-METIL-2H-ISOTIAZOL-3-ONE

LD50 (Oral) &gt;2.500 mg/kg Rat (OECD 423)

LD50 (Dermal) &gt;2.000 mg/kg Rat (OECD 402)

LC50 (Inhalation) 5,71 mg/l/1h rat (OECD 403)

## TRIETHYLAMINE

LD50 (Oral) 460 mg/kg Rat

LD50 (Dermal) 580 mg/kg Rabbit

LC50 (Inhalation) 14,5 mg/l/4h Rat

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2-Hisothiazol-3-one. [EC no. 220-239-6]

(3:1)

LD50 (Oral) 66 mg/kg Rat OECD 401

LD50 (Dermal) &gt;141 mg/kg Rat OECD 402

**SECTION 12. Ecological information**

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

## 12.1. Toxicity

## 1,2-BENZOISOTIAZOL-3(2H)-ONE

LC50 - for Fish 1,6 mg/l/96h Oncorhynchus mykiss (OECD 203)

EC50 - for Crustacea 3,27 mg/l/48h Daphnia magna (OECD 202)

EC50 - for Algae / Aquatic Plants 0,11 mg/l/72h Selenastrum capricornutum (OECD 201)

## 2-METIL-2H-ISOTIAZOL-3-ONE

LC50 - for Fish 6 mg/l/96h Oncorhynchus mykiss OECD 201

EC50 - for Crustacea 1,68 mg/l/48h Daphnia magna OECD 202

EC50 - for Algae / Aquatic Plants 0,157 mg/l/72h Pseudokirchneriella subcapitata (OECD 201)

**SECTION 12. Ecological information ... / >>>**

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one. [EC no. 220-239-6] (3:1)

LC50 - for Fish	0,22 mg/l/96h	Oncorhynchus mykiss
EC50 - for Crustacea	0,0052 mg/l/48h	Dafnia magna
EC50 - for Algae / Aquatic Plants	0,048 mg/l/72h	Pseudokirchnerella subcapitata

## 12.2. Persistence and degradability

**DIPROPYLENE GLYCOL MONOMETHYL ETHER**

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

**TRIETHYLAMINE**

Solubility in water >10.000 mg/l

Rapidly degradable

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one. [EC no. 220-239-6] (3:1)

Rapidly degradable

## 12.3. Bioaccumulative potential

**1,2-BENZOISOTIAZOL-3(2H)-ONE**

Partition coefficient: n-octanol/water 0,7

BCF 6,95

**2-METIL-2H-ISOTIAZOL-3-ONE**

Partition coefficient: n-octanol/water 0,32

BCF 3,16

**DIPROPYLENE GLYCOL MONOMETHYL ETHER**

Partition coefficient: n-octanol/water 0,0043

**TRIETHYLAMINE**

Partition coefficient: n-octanol/water 1,45

BCF <0,5

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one. [EC no. 220-239-6] (3:1)

BCF 3,6

## 12.4. Mobility in soil

**TRIETHYLAMINE**

Partition coefficient: soil/water 2,57

## 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## 12.6. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

#### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC:

None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation

1907/2006

**SECTION 15. Regulatory information** ... / >>

None

Substances in Candidate List (Art. 59 REACH)

None

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

VOC (Directive 2004/42/EC) :

Interior/exterior trim and cladding paints for wood, metal or plastic.

This product contains biocidal products.

**15.2. Chemical safety assessment**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Acute Tox. 2</b>	Acute toxicity, category 2
<b>Acute Tox. 3</b>	Acute toxicity, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1A</b>	Skin corrosion, category 1A
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1A</b>	Skin sensitization, category 1A
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment, chronic toxicity, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H225</b>	Highly flammable liquid and vapour.
<b>H330</b>	Fatal if inhaled.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H314</b>	Causes severe skin burns and eye damage.

**SECTION 16. Other information** ... / >>

<b>H318</b>	Causes serious eye damage.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH208</b>	Contains <name of sensitising substance>. May produce an allergic reaction.
<b>EUH210</b>	Safety data sheet available on request.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament

**SECTION 16. Other information** ... / >>

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.