

Safety data sheet

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

1.1. Product identifier

Code: MAX025092S
Product name: Vanity

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

Intended use: Wall finishing

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 Telephone numbers of the main Italian Anti-Poison Centers (active 24/24 hours):
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).

For more information: Cromology Italia SpA 199119955 (+39)05832424
From Monday to Friday 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:

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

3.2. Mixtures

Contains:

Identification	Conc. %	Classification 1272/2008 (CLP)
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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)

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=10, Aquatic Chronic 1 H410 M=10
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INDEX	613-167-00-5
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SECTION 3. Composition/information on ingredients ... / >>**ETHANEDIOL**

CAS 107-21-1 0,00 - 0,7 Acute Tox. 4 H302, STOT RE 2 H373
EC 203-473-3
INDEX 603-027-00-1
Reg. no. 01-2119456816-28-XXXX

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 - 0,025 Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10
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

For symptoms and effects caused by the contained substances, see chap. 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. 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. Check incompatibility for container material in section 7. 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.

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

Glicol etilenico DNEL: Operator, long-term exposure, systemic effects inhalation. 35 mg/m³; Operator, long-term exposure, systemic effects dermal 106 mg/m³; Consumer long-term exposure, systemic effects inhalation. 7 mg/m³; Operator, long-term exposure, systemic effects dermal 53 mg/m³.

Glicol etilenico DNEL: Operator, long-term exposure, systemic effects inhalation. 35 mg/m³; Operator, long-term exposure, systemic effects dermal 106 mg/m³; Consumer long-term exposure, systemic effects inhalation. 7 mg/m³; Operator, long-term exposure, systemic effects dermal 53 mg/m³.

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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 Concil of Netherlands (SER) Values, AF 2011:18
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC. Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

TITANIUM DIOXIDE
Threshold Limit Value

Type	Country	TWA/8h mg/m ³ ppm	STEL/15min mg/m ³ ppm
TLV-ACGIH		10	
VLA	ESP	10	
VLEP	FRA	10	
WEL	GBR	4	
TLV	GRC		10

Predicted no-effect concentration - PNEC

Normal value of STP microorganisms	100	mg/kg
Normal value in fresh water	>1	mg/l
Normal value for fresh water sediment	>1.000	mg/kg
Normal value in marine water	0,127	mg/l
Normal value for marine water sediment	>100	mg/kg
Normal value for the terrestrial compartment	>100	mg/kg

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
Oral				700 mg/kg p.c.				

Inhalation

 10
 mg/mc

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SECTION 8. Exposure controls/personal protection ... / >>
ETHANEDIOL
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m ³	ppm	mg/m ³	ppm	
TLV-ACGIH				100		
				(C) = CEILING		
AGW	DEU	26	10	52	20	
MAK	DEU	26	10	52	20	
VLA	ESP	52	20	104	40	SKIN
VLEP	FRA	52	20	104	40	SKIN
WEL	GBR	52	20	104	40	
TLV	GRC	125	50	125	50	
TLV	ITA	52	20	104	40	SKIN
OEL	NLD	52		104		SKIN
OEL	EU	52	20	104	40	SKIN

Predicted no-effect concentration - PNEC

Normal value of STP microorganisms	199,5	mg/l
Normal value in fresh water	10	mg/l
Normal value for fresh water sediment	37	mg/kg
Normal value in marine water	1	mg/l
Normal value for marine water sediment	3,7	mg/kg
Normal value for the terrestrial compartment	1,53	mg/kg
Normal value for water, intermittent release	10	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				7				106
				mg/mc				mg/kg
Skin				53				35
				mg/kg				mg/m3

ALUMINIUM OXYDE
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m ³	ppm	mg/m ³	ppm
TLV-ACGIH		3			
VLEP	FRA	5			
TLV-ACGIH	ITA	3			

AMORPHOUS SILICATE HYDRATE
Threshold Limit Value

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

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.

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

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	Characteristic, light
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
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	1,050 kg/l 20°C
Solubility	Dispersible in water. Insoluble in hydrocarbon solvents
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	3000 mPa.s

Vanity**SECTION 9. Physical and chemical properties** ... / >>

Explosive properties Not available
Oxidising properties Not available

9.2. Other information
VOC (Directive 2004/42/EC) : 100,00 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.

ETHANEDIOL: can absorb atmospheric humidity up to twice its own weight. Decomposes at temperatures over 200°C/392°F.

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.

ETHANEDIOL: risk of explosion on contact with: perchloric acid. Can react dangerously with: chlorosulphuric acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium (III) oxide, chromyl chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Forms explosive mixtures with the air.

10.4. Conditions to avoid

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

ETHANEDIOL: avoid exposure to sources of heat and naked flames.

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.

ETHANEDIOL: hydroxyacetaldehyde, glyoxal, acetaldehyde, methane, carbon monoxide, hydrogen.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

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

ETHANEDIOL: following ingestion it initially stimulates the CNS; later on depression results. Renal damage with anuria and uremia may occur. Symptoms of over exposure are: vomiting, somnolence, difficulty in breathing, convulsions. The lethal dose in man is approximately 1,4 l/kg. The way of entry is inhalation and ingestion.

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

LD50 (Oral) >2.500 mg/kg Rat (OECD 423)

LD50 (Dermal) >2.000 mg/kg Rat (OECD 402)

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

ETHANEDIOL

LD50 (Oral) >2.000 mg/kg Rat

Vanity**SECTION 11. Toxicological information** ... / >>

LD50 (Dermal) 9.530 mg/kg Rabbit

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	2,94 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	8,4 mg/l/96h	Oncorhynchus mykiss OECD 201
EC50 - for Crustacea	32 mg/l/48h	Dafnia magna OECD 202
EC50 - for Algae / Aquatic Plants	0,157 mg/l/72h	Pseudokirchneriella subcapitata (OECD 201)

ETHANEDIOL

LC50 - for Fish	72.860 mg/l
EC50 - for Crustacea	>100 mg/l
Chronic NOEC for Fish	15.830 mg/l

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	0,12 mg/l/48h	Dafnia magna
EC50 - for Algae / Aquatic Plants	0,048 mg/l/72h	Pseudokirchnereilla subcapitata

12.2. Persistence and degradability

ETHANEDIOL

Solubility in water	1000 - 10000 mg/l
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Rapidly biodegradable

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 biodegradable

12.3. Bioaccumulative potential

ETHANEDIOL

Partition coefficient: n-octanol/water	1,360000-
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12.4. Mobility in soil

Information not available

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%.

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

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

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

None

SECTION 15. Regulatory information ... / >>

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) :

Decorative effect coatings.

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

Limit value: 200 (2010)

VOC of product : 100,00

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:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

SECTION 16. Other information ... / >>

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.
EUH208	Contains <name of sensitising substance>. May produce an allergic reaction.
EUH210	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 (EU) 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
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)

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

- 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.

Changes to previous review:

The following sections were modified:

01/09/15