

P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 1 / 11

Replaced revision:2 (Dated 25/02/2019)

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: P.e.3 MATT
Product name P.e.3 MATT

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

Intended use Acid opacifying treatment for limestones stones

1.3. Details of the supplier of the safety data sheet

Name ITALIAN XS SRL - XSTONE
Full address Via Del Mulino 25 - Zona Artigianale

District and Country 64039 Penna Sant'Andrea (TE)

Italia

Tel. +39 0861.650578 Fax +39 0861.1755862

e-mail address of the competent person

responsible for the Safety Data Sheet office@italianxs.com

1.4. Emergency telephone number

For urgent inquiries refer to Centro Antiveleni 24/24 h

Policlinico A. Gemelli (Roma)

Tel. +39 06.3054343

es 12-14 Baker Street BANKSMEADOW N

BANKSMEADOW NSW 2019 **(02) 9316 9677**

Distributed by:

Unit 2

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation. Skin irritation, category 2 H315 Causes skin irritation.

2.2. Label elements

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

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.
H315 Causes skin irritation.

Precautionary statements:

P280 Wear protective gloves / eye protection / face protection.
P337+P313 If eye irritation persists: Get medical advice / attention.

P264 Wash . . . thoroughly after handling.



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 2 / 11 Replaced revision:2 (Dated 25/02/2019)

SECTION 2. Hazards identification .../>>

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

3.2. Mixtures

Contains:

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

PHOSPHORIC ACID

CAS 7664-38-2 $13.5 \le x < 15$ Skin Corr. 1B H314, Eye Dam. 1 H318,

Classification note according to Annex VI to the CLP Regulation: B

EC 231-633-2 INDEX 015-011-00-6

2-BUTOXYETHANOL

CAS 111-76-2 $3.5 \le x < 4$ Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319,

Skin Irrit. 2 H315

EC 203-905-0 INDEX 603-014-00-0

Reg. no. 01-2119475108-36-XXXX

PROPAN-2-OL

CAS 67-63-0 $2,5 \le x < 3$

EC 200-661-7 INDEX 603-117-00-0

ACIDO CLORIDRICO

CAS 7647-01-0 0,85 ≤ x < 0,95 Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335,

Eye Irrit. 2 H319, STOT SE 3 H336

Classification note according to Annex VI to the CLP Regulation: B

EC 231-595-7 INDEX 017-002-01-X **ALKYL DIMETHYL BETAINE**

CAS $66455-29-6 \quad 0.15 \le x < 0.2$

Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1,

Aquatic Chronic 3 H412

EC 266-368-1

INDEX

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

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

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.



P.e.3 MATT - P.e.3 MATT

Revision nr.3
Dated 10/02/2021
Printed on 11/02/2021
Page n. 3 / 11
Replaced revision:2 (Dated 25/02/2019)

SECTION 5. Firefighting measures .../>>

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. 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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 4 / 11 Replaced revision:2 (Dated 25/02/2019)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU Deutschland TRGS 900 - Seite 1 von 69 (Fassung 29.03.2019)- Liste der Arbeitsplatzgrenzwerte und

Kurzzeitwerte

ESP España LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019

(INSST)

FRA France Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS

GBR United Kingdom EH40/2005 Workplace exposure limits (Third edition, published 2018)
ITA Italia DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017

EU OEL EU Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC;

Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.

TLV-ACGIH ACGIH 2019

				PHOSPI	HORIC ACIE	
Threshold Limit \	√ alue					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	2		4		INHAL
MAK	DEU	2		4		INHAL
VLA	ESP	1		2		
VLEP	FRA	1	0,2	2	0,5	
WEL	GBR	1		2		
VLEP	ITA	1		2		
OEL	EU	1		2		
TLV-ACGIH		1		3		

				2-BUTO	XYETHAN	OL OL
Threshold Limit	Value					
Type	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	98	20	245	50	SKIN
VLEP	FRA	9,8	2	147,6	30	SKIN
WEL	GBR		25		50	SKIN
TLV-ACGIH		97	20			

				PROF	PAN-2-OL				
Threshold Limit Value									
Туре	Country	TWA/8h		STEL/15r	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
AGW	DEU	500	200	1000	400				
MAK	DEU	500	200	1000	400				
VLA	ESP	500	200	1000	400				
VLEP	FRA			980	400				
WEL	GBR	999	400	1250	500				
TLV-ACGIH		492	200	983	400				

Threshold Limit Value Type Country TWA/8h STEL/15min Remarks / Observations mg/m3 ppm mg/m3 ppm VLA ESP 7,6 5 15 10 VLEP ITA 8 5 15 10					ACIDO (CLORIDRICO	
mg/m3 ppm mg/m3 ppm VLA ESP 7,6 5 15 10 VLEP ITA 8 5 15 10	Threshold Limit	V alue					
VLA ESP 7,6 5 15 10 VLEP ITA 8 5 15 10	Type	Country	TWA/8h		STEL/15	min	Remarks / Observations
VLEP ITA 8 5 15 10			mg/m3	ppm	mg/m3	ppm	
	VLA	ESP	7,6	5	15	10	
	VLEP	ITA	8	5	15	10	
OEL EU 8 5 15 10	OEL	EU	8	5	15	10	
TLV-ACGIH 2,9 (C) 2 (C)	TLV-ACGIH				2,9 (C)	2 (C)	

Leaend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

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.



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 5 / 11 Replaced revision:2 (Dated 25/02/2019)

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

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

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 II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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.

Not available

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Value Appearance liquid Colour colourless characteristic Odour Odour threshold Not available 4.0 +/- 0.5 рΗ Melting point / freezing point Not available Initial boiling point 100 °C Boiling range Not available Flash point 60 °C Not available Evaporation rate 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 11 g/cm3 soluble in water Solubility Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Decomposition temperature Not available Not available Viscosity Explosive properties Not available

Information

Oxidising properties 9.2. Other information

Information not available



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 6/11 Replaced revision:2 (Dated 25/02/2019)

SECTION 10. Stability and reactivity

10.1. Reactivity

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

PHOSPHORIC ACID

Decomposes at temperatures above 200°C/392°F.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

PHOSPHORIC ACID

Risk of explosion on contact with: nitromethane.May react dangerously with: alkalis, sodium borohydride.

2-BUTOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

ACIDO CLORIDRICO

Risk of explosion on contact with: alkaline metals, aluminium powder, hydrogen cyanide, alcohol.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

PHOSPHORIC ACID

Incompatible with: metals, strong alkalis, aldehydes, organic sulphides, peroxides.

ACIDO CLORIDRICO

Incompatible with: alkalis,organic substances,strong oxidants,metals.

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.

PHOSPHORIC ACID

May develop: phosphoryl oxides.

2-BUTOXYETHANOL

May develop: hydrogen.

ACIDO CLORIDRICO

In decomposition develops: hydrochloric acid fumes.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 7 / 11 Replaced revision:2 (Dated 25/02/2019)

SECTION 11. Toxicological information .../>>

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l
LD50 (Oral) of the mixture: >2000 mg/kg
LD50 (Dermal) of the mixture: >2000 mg/kg

2-BUTOXYETHANOL

 LD50 (Oral)
 > 300 mg/kg Ratto

 LD50 (Dermal)
 > 1000 mg/kg Rabbit

 LC50 (Inhalation)
 > 10 mg/l/4h Rat

PROPAN-2-OL

 LD50 (Oral)
 4710 mg/kg Rat

 LD50 (Dermal)
 12800 mg/kg Rat

 LC50 (Inhalation)
 72,6 mg/l/4h Rat

ACIDO CLORIDRICO

 LD50 (Oral)
 900 mg/kg coniglio

 LC50 (Inhalation)
 1,68 mg/l/1h ratto

PHOSPHORIC ACID

 LD50 (Oral)
 1530 mg/kg Rat

 LD50 (Dermal)
 2740 mg/kg Rabbit

 LC50 (Inhalation)
 > 0,85 mg/l/1h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

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.



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 8 / 11 Replaced revision:2 (Dated 25/02/2019)

SECTION 12. Ecological information .../>>

12.1. Toxicity

2-BUTOXYETHANOL

 LC50 - for Fish
 > 100 mg/l/96h

 EC50 - for Crustacea
 > 100 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 > 100 mg/l/72h

ACIDO CLORIDRICO

LC50 - for Fish 20 mg/l/96h lepomis macrochirus

ALKYL DIMETHYL BETAINE

LC50 - for Fish 43 mg/l/96h Pesci EC50 - for Crustacea 11 mg/l/48h Crostacei EC50 - for Algae / Aquatic Plants 5 mg/l/72h

12.2. Persistence and degradability

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

PROPAN-2-OL Rapidly degradable

ACIDO CLORIDRICO

Solubility in water > 10000 mg/l

Degradability: information not available

PHOSPHORIC ACID

Solubility in water > 850000 mg/l

Degradability: information not available

ALKYL DIMETHYL BETAINE

Entirely degradable

12.3. Bioaccumulative potential

2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0,81

PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05

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%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 9 / 11 Replaced revision:2 (Dated 25/02/2019)

Tunnel restriction code: (E)

Packaging instructions: 856

Packaging instructions: 852

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 3264

14.2. UN proper shipping name

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. ADR / RID: IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR / RID:

Class: 8

Label: 8

IMDG:

Class: 8

Label: 8

IATA:

Class: 8

Label: 8



Limited Quantities: 5 L

14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: IMDG: NO NO IATA:

14.6. Special precautions for user

HIN - Kemler: 80 ADR / RID:

Special Provision: -

IMDG: EMS: F-A, S-B

Limited Quantities: 5 L IATA: Cargo: Maximum quantity: 60 L

Pass.: Maximum quantity: 5 L

Special Instructions: A3, A803

14.7. Transport in bulk according to Annex II of Marpol 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

Product

Point 3

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

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

None

ΕN



ITALIAN XS SRL - XSTONE

P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 10 / 11

Replaced revision:2 (Dated 25/02/2019)

SECTION 15. Regulatory information .../>>

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Met. Corr. 1 Substance or mixture corrosive to metals, category 1

Acute Tox. 4
Skin Corr. 1B
Skin corrosion, category 1B
Eye Dam. 1
Eye Irrit. 2
Skin Irrit. 2
Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H290May be corrosive to metals.H302Harmful if swallowed.H312Harmful in contact with skin.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage

H318Causes serious eye damage.H319Causes serious eye irritation.H315Causes skin irritation.H335May cause respiratory irritation.H336May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

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



P.e.3 MATT - P.e.3 MATT

Revision nr.3 Dated 10/02/2021 Printed on 11/02/2021 Page n. 11 / 11 Replaced revision:2 (Dated 25/02/2019)

SECTION 16. Other information .../>>

- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 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
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- 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
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

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.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12

The data for evaluation of chemical-physical properties are reported in section 9.

Changes to previous review:

The following sections were modified:

02 / 03 / 05 / 06 / 07 / 08 / 09 / 11 / 12 / 15.

Changed TLVs in section 8.1 for following countries:

FRA, GBR,