

Safety Data Sheet edelPro Color Organic Orange

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COM-PANY/UNDERTAKING

1.1 Product identification

Name: edelPro Colour Organic Orange

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

VOC-free, polyfunctional colourant, suitable for water-based products for industry, decoration and wood.

1.3. details of the supplier of the safety data sheet:

edelundstein GmbH Einsteinstraße 12 D-33104 Paderborn www.edel-und-stein.com info@edel-und-stein.com

1.4. emergency telephone number:

05254/9330731

2. IDENTIFICATION OF HAZARDS

2.1 Classification of the substance or mixture:

Criteria of EC Regulation 1272/2008 (CLP):

Skin Sens. 1, H317 May cause an allergic skin reaction.

Harmful physico-chemical effects, effects on human health and the environment: No further hazards.

2.2 Label elements

Symbols:

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Warning Hazard statements:		
H317	May cause an allergic skin reaction	

Safety instructions:

P261	Avoid inhalation of dust/fume/gas/mist/vapour/aerosol.
P272	Contaminated work clothing should not be removed from the work area. be let out.
P280	Wear protective gloves/clothing and eye/face protection.
P333+P313	If skin irritation or rash occurs: Seek medical advice. seek medical advice/medical assistance.
P362+P364	Remove contaminated clothing and wash it before of reuse.
P501	Dispose of contents/container in accordance with applicable regulations.

Special pr	ovisions:
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EUH208	Contains	2-octyl-2H-isothiazol-3-one. May cause an allergic
		reaction cause.
EUH208	Contains	1,2-benzisothiazol-3(2H)-one. May cause allergic evoke
		a reaction
EUH208	Contains	reaction mass of 5-chloro-2-methyl-2H-isothiazolin-3-one
		[EC No 247-500-7]; and 2-methyl-2H-isothiazol-3-one
		[EC No 220-239-6] (3:1). May cause an allergic reaction.

Contains:

2-Methyl-2H-isothiazol-3-on

Specific provisions according to Annex XVII of the REACH Regulation and subsequent amendments: None

2.3 Other hazards

1195.P00130/6 vPvB substances: None - PBT substances: None Other hazards: No other hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. substances.

Not applicable.

3.2 Mixtures.

Hazardous components in the sense of the CLP Regulation and corresponding classification:

1-methoxy-2-propanol; propylene glycol mono-methyl ether

>= 0.1% - < 0.25% ,REACH No: 01-2119457435-35-XXXX, Index No: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1 Flam. Liq. 3 H226 Flammable liquid and vapour. STOT SE 3 H336 May cause drowsiness or dizziness.

200 ppm 2-ottil-2H-isothiazol-3-one

Index number: 613-112-00-5, CAS: 26530-20-1, EC: 247-761-7

Skin corr. 1B	H314	Causes severe skin burns and severe skin irritation.
Skin Sens. 1,1A,1B	H317	May cause an allergic skin reaction.
Aquatic Acute 1	H400	Very toxic to aquatic organisms. M=10.
Aquatic Chronic 1	H410	Multiply toxic to aquatic organisms with long
		lasting effects. Effect.M=1.
Acute tox. 3	H311	Toxic in contact with skin.
Acute tox. 3	H331	Toxic by inhalation.
Acute tox. 4	H302	Toxic if swallowed.

81 ppm 1,2-Benzisotiazol-3(2H)-one

 REACH No.: 01-2120761540-60-XXXX, Numero Index: 613-088-00-6, CAS: 2634

 33-5, EC: 220-120-9

 Skin Irrit. 2
 H315

 Causes skin irritation.

Aquatic chronic 2	H411	Toxic to aquatic life with long lasting effects.
Eye damage. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Acute aquatic 1	H400	Very toxic to aquatic organisms.
Acute tox. 4	H302	Harmful if swallowed.

73 ppm 2-metil-2H-isotiazol-3-one

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REACH No.: 01-2120764690-50-XXXX, CAS: 2682-20-4, EC: 220-239-6Acute tox. 2H330Fatal by inhalation.Acute tox. 3H311Toxic in contact with skin.Acute tox. 3H301Toxic if swallowed

Acute tox. 3	H301	I OXIC IT SWAIIOWED.
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Skin Corr. 1B H314 Causes severe skin burns and serious injury.

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		Eye damage.
Eye damage. 1	H318	Causes serious eye damage.
Skin Sens. 1A	H317	May cause an allergic skin reaction.
Acute aquatic 1	H400	Very toxic to aquatic organisms. M=10.
Aquatic Chronic 1	H410	Very toxic to aquatic organisms with long lasting effects.
		Effect. M=1.
	EUH071	Corrosive to respiratory system.
15 ppm	Reaction mass of 5-chloro-2-methyl-2H-isothiazolin-3-one; and	
	2-methyl-2H-	Isothiazol-3-one (3:1).
Numero Index: 613	-167-00-5, CA	\S: 55965-84-9
Acute tox. 2	H330	Fatal by inhalation.
Acute tox. 2	H310	Fatal in contact with skin.
Acute tox. 3	H301	Toxic if swallowed.
Skin Corr. 1C	H314	Causes severe skin burns and severe eye damage.
Eye damage. 1	H318	Causes serious eye damage.
Skin Sens. 1A	H317	May cause an allergic skin reaction.
Acute aquatic 1	H400	Very toxic to aquatic organisms. M=100
Aquatic Chronic 1	H410	Very toxic to aquatic organisms with long lasting effects.
		Effect. M=100.
	EUH071	Corrosive to respiratory system.

The full text of the H-phrases is shown in section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Immediately remove all contaminated clothing.

Body parts that have come into contact with the product or are even suspected of having come into contact with it must be rinsed immediately with plenty of running water and possibly soap. Wash the body thoroughly (shower or bath). Remove contaminated clothing immediately and dispose of safely. In case of eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of ingestion: Do not induce vomiting. IMMEDIATELY ARRANGE FOR A ME-DICAL EXAMINATION. In case of inhalation: Remove casualty to fresh air and keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed None

4.3. indication of any immediate medical treatment and special care that may be required:

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In case of accident or if you feel unwell, seek medical advice immediately (show instructions for use or safety data sheet if possible).

Treatment: None

5. FIREFIGHTING MEASURES

5.1 Fire extinguishing agents:

Suitable extinguishing media: Water. Carbon dioxide (CO2). Extinguishing agents that must not be used for safety reasons: None in particular.

5.2 Special hazards arising from the substance or mixture:

Do not inhale explosion and combustion gases. Heavy smoke is produced during combustion.

5.3 Note for firefighters:

Use a suitable respirator. Collect contaminated extinguishing water separately. This must not be discharged into the sewage system. Remove undamaged containers from the immediate danger zone if this can be done safely.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

6.1 Personal precautions, protective equipment and emergency procedures:

Wear personal protective equipment. Remove all sources of ignition. Move persons to safety. See protective measures under points 7 and 8.

6.2. Precautions for the environment:

Wear personal protective equipment. Remove all sources of ignition. Move persons to safety. See protective measures under points 7 and 8.

6.3 Methods and material for containment and cleaning:

Wash with plenty of water.

6.4 Reference to other sections:

See also sections 8 and 13.

7. HANDLING AND STORAGE

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7.1 Precautions for safe handling:

Avoid contact with skin and eyes, inhalation of vapours and mists. Do not use empty containers until they have been cleaned. Before decanting, ensure that there are no incompatible material residues in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment.

7.2. conditions for safe storage, including any incompatibilities:

Keep away from food, drink and animal feeding stuffs. Incompatible materials: None in particular.

Notes on storage rooms: Adequately ventilated rooms.

7.3 Specific end use(s):

None in particular.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters:

1-Methoxy-2-propanol; Propylene glycol mono-methyl ether - CAS: 107-98-2 UE - TWA(8h): 375 mg/m3, 100 ppm - STEL: 563 mg/m3, 150 ppm - Note: Skin MAK - TWA(8h): 187 mg/m 3, 50 ppm - STEL(15min): 187 mg/m3, 50 ppm - Note: AT AUSTRIA ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Note: A4 - Eye and URT err TLV - TWA(8h): 270 mg/m3 - STEL(15min): 550 mg/m3 - Note: CZ - CZECH REP. MAK - TWA(8h): 370 mg/m3, 100 ppm - STEL(15min): 740 mg/m3, 200 ppm - Note: DE - GERMANY VLEP - TWA(8h): 188 mg/m3, 50 ppm - STEL(15min): 375 mg/m3, 10 ppm - Note: FRANCE GVI - TWA(8h): 375 mg/m3, 100 ppm - STEL: 568 mg/m3, 150 ppm - Note: HR CROATIA: K (skin)

DNEL exposure limit values

1-Methoxy-2-propanol; Propylene glycol mono-methyl ether - CAS: 107-98-2

Consumer: 33 mg/kg p.c./day - Exposure: Human Oral - Frequency: Long-term, systemic effects

Industrial workers: 369 mg/m3 - Skilled workers: 369 mg/m3 - Consumer: 43.9 mg/m3 -

Exposure: Uman Inhalation - Frequency: Long-term, systemic effects.

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Industrial workers: 183 mg/kg p.c./day - Skilled workers: 183 mg/kg p.c./day - Consumers: 78 mg/kg p.c./day - Exposure: Human Dermal - Frequency: Long-term, systemic effects.

Industrial workers: 553.5 mg/m3 - Skilled workers: 553.5 mg/m3 - Exposure: Human inhalation - Frequency: Short-term, systemic effects

Industrial workers: 553.5 mg/m3 - Skilled workers: 553.5 mg/m3 - Exposure: Human inhalation - Frequency: Short-term, local effects

Concentration expected to have no effect on the environment - PNEC 1-Methoxy-2-propanol; Propylene glycol mono-methyl ether - CAS: 107-98-2

Reference value in fresh water: 10 mg/l Reference value for sediments in fresh water: 52.3 mg/kg Reference value for sediments in salt water: 5.2 mg/kg Reference value for STP microorganisms: 100 mg/l Reference value for the land compartment: 4.59 mg/kg

8.2 Exposure controls and monitoring:

EYE PROTECTION:

Use close-fitting safety goggles, do not use eye lens.

Protection for the skin:

Use clothing that provides full skin protection, e.g. cotton, rubber, PVC or Viton. Protection for the hands:

Protect the hands with category III work gloves (see standard EN 374). When selecting the work glove material, the following points should be considered: Compatibility, degradability, failure time and permeability. The resistance of the work gloves to chemical substances should be tested before use, as it can be unpredictable. The wearing time of the gloves depends on the duration and type of use.

ATEMPTS:

If the limit value (e.g. TLV-TWA) for the substance or one of the substances contained in the product is exceeded, a mask with a type B filter must be used, the class of which (1, 2 or 3) must be selected according to the limit value concentration for use. (see standard EN 14387). In the presence of gases or vapours of different types and/or gases or vapours containing particles (aerosol sprays, vapours, mists, etc.), combined filters are required (EN 141). Respiratory protective equipment must be used if the technical measures taken are not suitable for limiting the worker's exposure to the limit values under consideration. Not required for normal use.

THERMAL HAZARDS: None

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ENVIRONMENTAL EXPOSURE CONTROLS AND MONITORING:

Emissions from manufacturing processes, including those generated by ventilation systems, should be checked for compliance with environmental standards.

APPROPRIATE TECHNICAL CONTROLS: None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. information on basic physical and chemical properties:

Appearance Colour Smell Odour threshold. pH value. Melting point / freezing point. Initial boiling point and boiling range Flash point. Evaporation rate Flammability of solids and gases Upper / Lower flammability or explosion limit. Upper flammability limit. Vapour pressure. Density of the steam Relative density. Solubility in water Solubility in oil: Partition coefficient: n-octanol/water Auto-ignition temperature. Decomposition temperature. Viscosity Explosive properties Oxidising properties

Liquid orange Characteristic Not available. 8,5 Not relevant. > 100 °C. > 93 °C. Not available. Not relevant. Not relevant. Not available. Not available. Not available. 1.145 g/cm3 - 20°C soluble Not available Not available. Not relevant. Not available. 1200 - 1800 mPA A3-V20 Not relevant. Not available.

9.2 Other information

Miscibility:	Not available
Fat solubility:	Not available
Conductivity:	Not available
Substance group relevant properties:	Not available

10. STABILITY AND REACTIVITY

10.1 Reactivity.

Stable under normal conditions

10.2 Chemical stability.

Stable under normal conditions

10.3 Possibility of hazardous reactions.

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None

10.4 Conditions to avoid.

Stable under normal conditions

10.5 Incompatible materials.

No special

10.6 Hazardous decomposition products. None

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Toxicological information on the mixture:

ACUTE TOXICITY: It does not meet the classification criteria for this hazard class.

SKIN BURN / SKIN IRRITATION It does not meet the classification criteria for this hazard class.

SEVERE EYE DAMAGE / EYE IRRITATION It does not meet the classification criteria for this hazard class.

SENSITISATION OF THE RESPIRATORY TRACT OR SKIN May cause an allergic reaction. Skin Sens. 1A H317

GERM CELL MUTAGENICITY It does not meet the classification criteria for this hazard class.

CARCINOGENICITY It does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY It does not meet the classification criteria for this hazard class.

SPECIFIC TOXICITY TO TARGET ORGANS (STOT) - SINGLE EXPOSURE It does not meet the classification criteria for this hazard class.

SPECIFIC TOXICITY TO TARGET ORGANS (STOT) - REPEATED EXPOSURE It does not meet the classification criteria for this hazard class.

RISK OF ASPIRATION It does not meet the classification criteria for this hazard class.

Toxicological information on the mixture: Page **9**of **15 12/2020**



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1-Methoxy-2-propanol; Propylene glycol mono-methyl ether - CAS: 107-98-2 a) Acute toxicity:

Test: LD50 - Oral - Species: Rat = 4016 mg/kg

Test: LD50 - Dermal - Species: Rat > 2000 mg/kg

Test: LC50 - Inhalation - Species: Rat = 54.6 mg/l - Duration: 4h

Test: LC50 - Vapours Inhalation - Species: Rat > 7000 ppm - Duration: 8h

b) Skin burn / skin irritation:

Test: Sensitisation by inhalation: None

1,2-Benzisotiazol-3(2H)-one - CAS: 2634-33-5

a) Acute toxicity:

Test: LD50: Skin - Species: Rat > 5000 mg/kg

Test: LD50: Oral - Species: Rat = 1020 mg/kg

Reaction mass of 5-chloro-2-methyl-2H-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

a) Acute toxicity:

Test: LD50: Oral - Species: Rat = 66 mg/kg - Source: OECD 401

Test: LD50: Skin - Species: Rat > 141 mg/kg - Source: OECD 402

d) Sensitisation of the respiratory tract or skin:

Test: Skin sensitisation - Skin: Positive

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Use good working practices to prevent the product from entering the environment.

1-Methoxy-2-propanol; Propylene glycol mono-methyl ether - CAS: 107-98-2

a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish > 6800 mg/l - Duration h: 96 - Reference: Leuciscus Idus

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 21100-25900 mg/l - Duration h: 48

Endpoint: EC50 - Species: Fish = 20800 mg/l - Duration h: 96 - Reference: Pimephales promelas

b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: Daphnia > 1000 mg/l - Duration h: 504

1,2-Benzisotiazol-3(2H) - one - CAS: 2634-33-5

a) Acute aquatic toxicity:

Endpoint: EC50 - Species: Daphnia = 3.7 mg/l - Duration h: 48 Endpoint: EC50 - Species: Algae = 0.37 mg/l - Duration h: 72

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Endpoint: LC50 - Species: Fish = 1.9 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia = 4.4 mg/l - Duration h: 48 - Remark: Daphnia magna

Reaction mass of 5-chloro-2-methyl-2H-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

a) Acute aquatic toxicity:

Endpoint: EC50 - Species: Algae = 0.048 mg/l - Duration h: 72 Endpoint: EC50 - Species: Daphnia = 0.1 mg/l - Duration h: 48 Endpoint: EC50 - Species: Fish = 0.22 mg/l - Duration h: 96 Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72 Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Remark: 21 d Endpoint: NOEC - Species: Fish = 0.098 mg/l - Remark: 28 d

12.2 Persistence and degradability:

1-Metossi-2-propanolo; propilene glicol mono metil etere - CAS: 107-98-2 Biodegradability: Rapidly biodegradable

12.3 Bioaccumulative potential:

1-Metossi-2-propanolo; propilene glicol mono metil etere - CAS: 107-98-2 Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient - 0.49

12.4 Mobility in soil:

1-Metossi-2-propanolo; propilene glicol mono metil etere - CAS: 107-98-2 Mobility in soil: Mobile

12.5 Results of PBT and vPvB assessment:

vPvB substances: None - PBT substances: None

12.6 Other adverse effects:

None

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Restore, if possible. Observe the currently valid local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number

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Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users.

Not applicable.

14.7 Carriage in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code.

Not applicable information.

15. REGULATORY INFORMATION

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

D.Lgs. 9/4/2008 n. 81 D.M. Lavoro 26/02/2004 (Occupational exposure limit values) Regulation (EC) No 1907/2006 (REACH) Regulation (EC) No 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) e (UE) n. 758/2013 Regulation (EC) 2015/830 Regulation (EC) No 286/2011 (ATP 2 CLP) Regulation (EC) No 618/2012 (ATP 3 CLP) Regulation (EC) No 487/2013 (ATP 4 CLP) Regulation (EC) No 944/2013 (ATP 5 CLP) Regulation (EC) No 605/2014 (ATP 6 CLP) Regulation (EC) n. 2015/1221 (ATP 7 CLP) Regulation (EC) No 2016/918 (ATP 8 CLP) Regulation (EC) No 2016/1179 (ATP 9 CLP) Regulation (EC) No 2017/776 (ATP 10 CLP) Regulation (EC) No 2018/669 (ATP 11 CLP) Regulation (EC) n. 2018/1480 (ATP 13 CLP) Restrictions on the product or substances contained in accordance with Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments: Page **12**of **15** 12/2020

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Restrictions related to the product: Restriction 3 Restrictions on the substances contained: No restriction. Volatile organic compounds - VOCs = 0.56 %. Volatile organic compounds - VOCs = 6.36 g/l Volatile CMR substances = 0.00 %. Halogenated VOCs assigned the risk phrase R40 = 0.00 %. Organic carbon - C = 0.00

If applicable, observe the following legal requirements: -Ministerial Circulars 46 and 61 (Ammine aromatiche). -Directive 2012/18/EU (Seveso III) Regulation 648/2004/CE (Detergents) -D.L. 3/4/2006 n. 152 Environmental regulations -Dir. 2004/42/CE (VOC Directive) Provisions related to Directives EU 2012/18 (Seveso III): N.A.

15.2 Chemical safety assessment:

No

16. OTHER INFORMATION

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

Flam. Liq. 3	Flammable liquid, category 3
Acute tox. 2	Acute toxicity (dermal) category 2
Acute tox. 2	Acute toxicity (inhalation), category 2
Acute tox. 3	Acute toxicity (dermal), category 3
Acute tox. 3	Acute toxicity (inhalation), category 3
Acute tox. 3	Acute toxicity (oral), category 3
Acute tox. 4	Acute toxicity (oral), category 4
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Skin Irrit. 2	Skin irritation, category 2
Eye damage. 1	Serious eye damage, category 1
Skin Sens. 1	Skin sensitisation, category 1
Skin Sens. 1,1A,1B	Skin sensitisation, category 1,1A,1B
Skin Sens. 1A	Skin sensitisation, category 1A
Repr. 2	Reproductive toxicity, category 2
STOT SE 3	Specific target organ toxicity - single exposure,
	Category 3
Harmful to water Acute 1	Hazardous to the aquatic environment, acute toxicity,
	Category 1
Aquatic Chronic 1	Harmful to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Harmful to the aquatic environment, chronic toxicity, category 2

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ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS-NUMBER: Chemical Abstract Service Number

CE50: Effective concentration (required to produce a 50% effect).

EC NUMBER: Identification number in ESIS (European Substances Information System).

CLP: Regulation EC 1272/2008

DNEL: Derived No-Effect-Level

EmS: Emergency Schedule

GHS: Globally Harmonised System of Classification and Labelling of Chemical Products

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: immobilisation concentration for 50 % of the test population

IMDG: International Maritime Dangerous Goods Code - IMO: International Maritime Organization

INDEX NUMBER: Index number of CLP Annex VI

LC50: 50% of the lethal concentration

LD50: 50% lethal dose

OEL: Occupational exposure level

PBT: Persistent, Bioaccumulative and Toxic according to REACH

PEC: Predicted Environmental Concentration

PEL: Predicted Exposure Level

PNEC: Predicted no effect concentration

REACH: Regulation EC 1907/2006

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

TLV: Threshold Limit Value

MAK value: Concentration which should not be exceeded during the entire duration of occupational exposure.

TWA STEL: Short-term exposure limit value

TWA: Time-weighted average exposure limit value

VOC: volatile organic compound

vPvB: Very persistent and very bioaccumulative according to REACH-WGK: Water hazard class (Germany)

GENERAL BIBLIOGRAPHY

1st Regulation (EU) 1907/2006 of the European Parliament (REACH)

2. regulation (EU) 1272/2008 of the European Parliament (CLP)

3. regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)

4. regulation (EU) 2015/830 of the European Parliament

5. regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)

- 6. regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
- 7. regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
- 8. regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
- 9. regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)

 10. regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)

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- 11. regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
- The Merck Index. 10th edition
- Handling chemicals Safety
- INRS Fiche Toxicologique (Toxicological Data Sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Hazardous Properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS Website
- ECHA website

- Database with SDS templates for chemical substances - Ministry of Health and National Institute of Health

Note: The information contained in this sheet is based on our knowledge at the time of the last version. The user must satisfy himself as to the suitability and completeness of the information in relation to the specific use of the product. Our company accepts no liability whatsoever for any suggested, improper, irresponsible, direct or indirect use of the product and recommends that those using our products satisfy themselves as to the reliability and completeness of the information in relation to the applications for which the product is intended. The information is the result of application knowledge and laboratory tests and is expressed as such. It does not constitute any obligation on our part, including any rights of third parties arising from damages of various kinds. Our company guarantees a consistent quality of its products: any liability established is limited to the exclusive value of our product. Given the impossibility of controlling the way in which our products are used in the various sites, our company cannot accept any responsibility with regard to the application and execution capabilities of the works.