

## Safety Data Sheet MAPELASTIC, comp.B

Safety Data Sheet dated 9/8/2016, version 2

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

1.1. Product identifier

Trade name: MAPELASTIC, comp.B

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Water dispersion of synthetic polymers.

Uses advised against:

==

1.3. Details of the supplier of the safety data sheet

Supplier:

MAPEI S.p.A. - Via Cafiero, 22 - 20158 Milano

Tel: +39-02-376731

Fax: +39-02-37673.214

Competent person responsible for the safety data sheet:

sicurezza@mapei.it

1.4. Emergency telephone number

MAPEI S.p.A. - Tel. +(39)02376731 - (office hours)

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard Statements:

None

Precautionary Statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Contents:

1,2-benzisothiazol-3(2H)-one: May produce an allergic reaction.

reaction mass 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): May produce an allergic reaction.

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The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

$\geq 0.25\%$  -  $< 0.49\%$  4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated

CAS: 9002-93-1

4.1/C3 Aquatic Chronic 3 H412

$\geq 0.00015\%$  -  $< 0.0015\%$  reaction mass 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)

Index number: 613-167-00-5, CAS: 55965-84-9, EC: 611-341-5

⚠ 3.2/1B Skin Corr. 1B H314

⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

⚠ 3.1/3/Oral Acute Tox. 3 H301

⚠ 3.1/3/Dermal Acute Tox. 3 H311

⚠ 3.1/3/Inhal Acute Tox. 3 H331

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wash immediately with water for at least 10 minutes.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

A suspension of activated charcoal in water, or petroleum jelly may be administered.

Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

No specific hazards are encountered under normal product use.

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

Treatment:

(see paragraph 4.1)

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media
  - Suitable extinguishing media:
    - None in particular.
    - Water.
    - Carbon dioxide (CO<sub>2</sub>).
  - Extinguishing media which must not be used for safety reasons:
    - None in particular.
- 5.2. Special hazards arising from the substance or mixture
  - The product does not present a fire hazard
  - Do not inhale explosion and combustion gases.
  - The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.
- 5.3. Advice for firefighters
  - Use suitable breathing apparatus .
  - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
  - Move undamaged containers from immediate hazard area if it can be done safely.

#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove all sources of ignition.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Limit leakages with earth or sand.
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - After the product has been recovered, rinse the area and materials involved with water.
  - Suitable material for taking up: absorbing material, organic, sand
  - Wash with plenty of water.
  - Retain contaminated washing water and dispose it.
- 6.4. Reference to other sections
  - See also section 8 and 13

#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - 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 feed.
  - Incompatible materials:
    - None in particular.
  - Instructions as regards storage premises:
    - Adequately ventilated premises.
    - Store above 5°C.
- 7.3. Specific end use(s)

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None in particular

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

#### 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                              |
|---|------------------------------|
| Appearance:                                   | liquid                       |
| Colour:                                       | white                        |
| Odour:  | typical                      |
| Odour threshold:                              | N.A.                         |
| pH:   | 6,5                          |
| Melting point / freezing point:               | == °C                        |
| Initial boiling point and boiling range:      | 100 °C                       |
| Solid/gas flammability:                       | N.A.                         |
| Upper/lower flammability or explosive limits: | N.A.                         |
| Vapour density:                               | N.A.                         |
| Flash point:                                  | == °C                        |
| Evaporation rate:                             | N.A.                         |
| Vapour pressure:                              | N.A.                         |
| Relative density:                             | 1,1 g/cm <sup>3</sup> (23°C) |
| Vapour density (air=1):                       | N.A.                         |
| Solubility in water:                          | dispersible                  |
| Solubility in oil:                            | insoluble                    |
| Viscosity:                                    | 100-200 mPa.s (23°C)         |
| Auto-ignition temperature:                    | == °C                        |
| Explosion limits(by volume):                  | ==                           |

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|  |      |      |
|--|------|------|
| Decomposition temperature:               | N.A. |      |
| Partition coefficient (n-octanol/water): |      | N.A. |
| Explosive properties:                    | ==   |      |
| Oxidizing properties:                    | N.A. |      |
| 9.2. Other information                   |      |      |
| Miscibility:                             | N.A. |      |
| Fat Solubility:                          | N.A. |      |
| Conductivity:                            | N.A. |      |
| Substance Groups relevant properties     |      | N.A. |

#### SECTION 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  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Route(s) of entry:

|             |     |
|-------------|-----|
| Ingestion:  | Yes |
| Inhalation: | No  |
| Contact:    | No  |

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

Toxicological information of the mixture:  
N.A.

Toxicological information of the main substances found in the mixture:

reaction mass 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

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 457 mg/kg  
 Test: LC50 - Route: Inhalation - Species: Rat = 2.36 mg/l - Duration: 4h  
 Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg

Acute Toxicity: no effects are known

Corrosive/Irritating Properties:

Eye:

The product can cause a temporary irritation by contact.

Sensitizing Properties:

No effects are known.

Carcinogenic Effects:

No effects are known.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

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No effects are known.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good industrial practices, so that the product is not released into the environment.

Not available data on the mixture

Biodegradability: no data available on the preparation.

reaction mass 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

##### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.12 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.22 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 0.048 mg/l - Duration h: 72

##### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72

Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28 d

Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21 d

##### 12.2. Persistence and degradability

N.A.

##### 12.3. Bioaccumulative potential

N.A.

##### 12.4. Mobility in soil

N.A.

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None

Not available data on the mixture

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 08 04 10

Disposal of not hardened product (EC waste code) : 08 04 10

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

#### SECTION 14: Transport information

##### 14.1. UN number

901681/2

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Not classified as dangerous in the meaning of transport regulations.

UN Number: ==

14.2. UN proper shipping name  
N.A.

14.3. Transport hazard class(es)  
Rail/Road(RID/ADR): no dangerous good  
ADR-Upper number: NA  
Air (ICAO/IATA): no dangerous good  
Sea (IMO/IMDG): no dangerous good  
N.A.

14.4. Packing group  
N.A.

14.5. Environmental hazards  
Marine pollutant: No  
N.A.

14.6. Special precautions for user  
N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
No

#### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 40

Restrictions related to the substances contained:

No restriction.

Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents"

Directive 2000/39/CE and s.m.i. (Professional threshold limit)

Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations)

Directive 105/2003/CE (Seveso III): N.A.

ADR Agreement – IMDG Code – IATA Regulation

VOC (2004/42/EC) : N.A. g/l

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated

SVHC

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

- H412 Harmful to aquatic life with long lasting effects.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H331 Toxic if inhaled.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- NIOSH - Registry of toxic effects of chemical substances
- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- IMDG: International Maritime Code for Dangerous Goods.
- INCI: International Nomenclature of Cosmetic Ingredients.



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|         |   |
|---------|---|
| KSt:    | Explosion coefficient.  |
| LC50:   | Lethal concentration, for 50 percent of test population.                          |
| LD50:   | Lethal dose, for 50 percent of test population.                                   |
| LTE:    | Long-term exposure.   |
| PNEC:   | Predicted No Effect Concentration.  |
| RID:    | Regulation Concerning the International Transport of Dangerous Goods by Rail.     |
| STE:    | Short-term exposure.  |
| STEL:   | Short Term Exposure limit.  |
| STOT:   | Specific Target Organ Toxicity.   |
| TLV:    | Threshold Limiting Value.   |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| OEL:    | Substance with a Union workplace exposure limit.                                  |
| VLE:    | Threshold Limiting Value.   |
| WGK:    | German Water Hazard Class.  |
| TSCA:   | United States Toxic Substances Control Act Inventory                              |
| DSL:    | DSL - Canadian Domestic Substances List   |