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## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 17.12.2020

Revision: 17.12.2020

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

- **1.1 Product identifier**
- **Trade name** Murapalst FRV
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** SUPERPLASTICIZER
- **Application of the substance / the mixture** Concrete/Mortar admixtures
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** MC Bauchemie India PVT ltd  
Plot No 148 149  
Kundaim Industria Estate  
Kundaim, Goa 403115, India
- **Informing department:** msds@mc-bauchemie.com
- **1.4 Emergency telephone number:** Number India  
+918322395028

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** Contains 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.  
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions.
- **Dangerous components:** Void

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### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Void
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Rinse out mouth and then drink plenty of water.  
In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Void
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** No dangerous materials are released.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Natural rubber, NR  
Nitrile rubber, NBR
- **Penetration time of glove material** -
- **Eye protection:** Not required.
- **Body protection:** Impervious protective clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** Dark brown
- **Smell:** Characteristic
- **pH-value at 20 °C:** 8

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|   |  |
|---|--|
| · <b>Change in condition</b><br>Melting point/freezing point: | Not applicable                             |
| Initial boiling point and boiling range:                      | 100 °C                                     |
| · <b>Flash point:</b>   | Not applicable                             |
| · <b>Self-inflammability:</b>                                 | Product is not selfigniting.               |
| · <b>Explosive properties:</b>                                | Product is not explosive.                  |
| · <b>Steam pressure at 20 °C:</b>                             | 23 hPa                                     |
| · <b>Density at 20 °C</b>                                     | 1.15 g/cm <sup>3</sup>                     |
| · <b>Solubility in / Miscibility with Water:</b>              | Fully miscible                             |
| · <b>Viscosity:</b><br>kinematic:                             | Not determined.                            |
| · <b>9.2 Other information</b>                                | No further relevant information available. |

### SECTION 10: Stability and reactivity

|  |   |
|--|---|
| · <b>10.1 Reactivity</b>                                   | No further relevant information available.            |
| · <b>10.2 Chemical stability</b>                           |   |
| · <b>Thermal decomposition / conditions to be avoided:</b> | No decomposition if used according to specifications. |
| · <b>10.3 Possibility of hazardous reactions</b>           | No dangerous reactions known                          |
| · <b>10.4 Conditions to avoid</b>                          | No further relevant information available.            |
| · <b>10.5 Incompatible materials:</b>                      | No further relevant information available.            |
| · <b>10.6 Hazardous decomposition products:</b>            | No dangerous decomposition products known             |

### SECTION 11: Toxicological information

|  |   |
|--|---|
| · <b>11.1 Information on toxicological effects</b>                                 |   |
| · <b>Acute toxicity</b>  | Based on available data, the classification criteria are not met. |
| · <b>Primary irritant effect:</b>  |   |
| · <b>Skin corrosion/irritation</b>   | Based on available data, the classification criteria are not met. |
| · <b>Serious eye damage/irritation</b>   | Based on available data, the classification criteria are not met. |
| · <b>Respiratory or skin sensitisation</b>   | Based on available data, the classification criteria are not met. |
| · <b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b> |   |
| · <b>Germ cell mutagenicity</b>  | Based on available data, the classification criteria are not met. |
| · <b>Carcinogenicity</b>   | Based on available data, the classification criteria are not met. |
| · <b>Reproductive toxicity</b>   | Based on available data, the classification criteria are not met. |
| · <b>STOT-single exposure</b>  | Based on available data, the classification criteria are not met. |
| · <b>STOT-repeated exposure</b>  | Based on available data, the classification criteria are not met. |

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· **Aspiration hazard**

Based on available data, the classification criteria are not met.

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#### SECTION 12: Ecological information

· **12.1 Toxicity**

No further relevant information available.

· **Aquatic toxicity:**

· **12.2 Persistence and degradability**

No further relevant information available.

· **12.3 Bioaccumulative potential**

No further relevant information available.

· **12.4 Mobility in soil**

No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

· **12.6 Other adverse effects**

No further relevant information available.

#### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

#### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

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|  |  |
|--|--|
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** Environment protection department.
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**

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