

## SAFETY DATA SHEET (according to Directive 2001/58/CE)

# MELTRON<sup>®</sup>

## “CM”

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1. Identification of the substance or preparation

Product name: MELTRON<sup>®</sup> - CM type  
Chemical name: Magnesium and calcium carbonate  
Contains iron oxides

#### 1.2. Company/undertaking identification

Legal and administrative headquarter: **BICARJET S.r.l.**  
Via Varesina, 2/4  
21021 Angera (VA) – Italy

Operation headquarter: Via IX Strada, 4  
35129 Padova - Italy  
Tel. +39.049.7808036  
Fax +39.049.7927203  
E-mail: info@bicarjet.com

1.3. Urgency telephone: Tel. 39 0586 721111

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Calcium carbonate

CAS Number:  
EC Number (EINECS):

#### Magnesium carbonate

CAS Number:  
EC Number (EINECS):

### 3. HAZARDS IDENTIFICATION

- Substance non classified according to Directive 67/548/EEC

### 4. FIRST-AID MEASURES

#### 4.1. Inhalation

- Remove the subject from dusty environment and let him blow his nose.

#### 4.2. Eyes contact

- Flush eyes with running water for several minutes, while keeping the eyelids wide open.

- Consult with an ophthalmologist in case of persistent pain.

#### **4.1. Skin contact**

- Negligible

#### **4.2. Ingestion**

##### *General recommendations*

- Negligible

##### *If the subject is completely conscious:*

- Rinse mouth with fresh water.

##### *If the subject is unconscious:*

- Not applicable

## **5. FIRE-FIGHTING MEASURES**

### **5.1. Suitable extinguishing media**

- In case of fire in close proximity, all means of extinguishing are acceptable (subject to section below).

### **5.2. Unsuitable extinguishing media**

- No restriction.

### **5.3. Special exposure hazards**

- Non-combustible

### **5.4. Protective measures in case of intervention**

- The product does not require any special precautions.

### **5.5. Other precautions**

- Negligible

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions**

- Follow the protective measures given in section 8.

### **6.2. Environmental precautions**

- Prevent discharges into the environment (sewers, rivers, soils...).
- Prevent any mixture with an acid into the sewer/drain (gas formations).

### **6.3. Methods for cleaning up**

- Collect the product with suitable means avoiding dust formation.
- Place everything into a closed, labelled container compatible with the product.
- For disposal methods, refer to section 13.
- Clean the area with large quantities of water.

## **7. HANDLING AND STORAGE**

### **7.1. Handling**

Keep away from reactive products (see section 10).

### **7.2. Storage**

Keep away from reactive products (see section 10).

### **7.3. Specific use(s)**

For any particularly use, please contact the supplier.

### **7.4. Packaging**

PE

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Exposure limit values

#### Sodium bicarbonate

TLV (ACGIH-USA)

Result: Negligible

### 8.2. Exposure controls

- Premises ventilation.
- Provide local ventilation suitable for the emission risk.

#### 8.2.1. Occupational exposure controls

##### 8.2.1.1. *Respiratory protection*

- In case of dust clouds/fog/fumes, dust mask type P1.

##### 8.2.1.2. *Hand protection*

- Protective gloves - for frequent or prolonged operations:

##### 8.2.1.3. *Eye protection*

- Dust proof goggles, if dusty.

##### 8.2.1.4. *Skin protection*

- Negligible

##### 8.2.1.5. *Other precautions*

- Negligible

#### 8.2.2. Environmental exposure controls

- Respect local/federal and national regulations for aqueous emissions (see section 15).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. General information

**Appearance:** crystalline powder

**Color/Colour:** white

**Odor/Odour:** odorless/odouless

### 9.2. Important health, safety and environmental information

**pH:**

**Boiling point** (1013 bar): Non applicable (Decomposition).

**Flash point:** Non applicable.

**Flammability:** Non flammable.

**Explosive properties:** Non explosive

**Oxidising properties:** Non oxidizer

**Vapor/Vapour pressure:** Non applicable.

**Density:**

Specific gravity (D24/4): 2,22

Bulk density: from 1,05 - 1,25 kg/dm<sup>3</sup>

**Solubility:** Water 6 g/l

Temperature: 20 °C

Another: Very slightly soluble in alcohol

**Coefficient de partage n-octanol/water:** Non applicable.

**Viscosity:** 1,2 mPa.s

**Vapor/Vapour density (air=1):** Non applicable.

### 9.3. Other information

**Melting point/range:** Non applicable (Decomposition).

**Auto-flammability:** Non-flammable.

**Decomposition temperature:** 130 °C.

## 10. STABILITY AND REACTIVITY

### 10.1. Conditions to avoid

- Heating the product to its decomposition temperature (see section 9).

### 10.2. Materials to avoid

- Acids

### 10.3. Hazardous decomposition products

- Negligible

## 11. TOXICOLOGICAL INFORMATION

### 1.1. Toxicological data

#### **Acute toxicity**

- Oral route, LD 50, rat, > 2 g/kg
- Inhalation, LC 50, no data
- Dermal route, LD 50, no data

#### **Irritation**

- No data

#### **Sensitisation**

- No data

#### **Chronic toxicity**

- no observed effect

#### **Comments**

- No appreciable toxic effect

### 1.2. Health effects

#### **Inhalation**

- Slight nose irritation.
- Risk level 1 : moderate consequences in certain circumstances
- First-aid sufficient
- General prescriptions according circumstances

#### **Eyes contact**

- Moderate irritation.
- Risk level 2 : moderate consequences in all circumstances
- First-aid sufficient
- General prescriptions in all circumstances

#### **Skin contact**

- Negligible
- Risk level 0

#### **Ingestion**

- By ingestion of large quantities: nausea and vomiting.
- Risk level 1 : moderate consequences in certain circumstances
- First-aid sufficient
- General prescriptions according circumstances

## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

#### **Acute ecotoxicity**

- Fishes, *Gambusia affinis*, LC 56, 96 h, 7.550 mg/l
- Crustaceans, *Daphnia* sp, EC 50, 48 h, 2.350 mg/l

#### **12.2. Mobility**

- No data

### 12.3. Persistence et dégradabilité

#### **Abiotic degradation**

- Water, hydrolysis:
- Degradation's products:

acid/base equilibrium as a function of pH  
carbonic acid/carbon dioxide (pH < 6) / bicarbonate  
(pH 6 - 10) / carbonate (pH > 10)

#### **Biotic degradation**

- Résultat:

non applicable

### 12.4. Bioaccumulative potential

- Résultat:

non bioaccumulable

### 12.5. Comments

- Product is not significantly hazardous for the environment.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment

- Dispose in compliance with local/federal and national regulations.
- Contact waste exchanges for recycling.

Or

- Dissolve in water.
- Neutralise the product with an acid.

### 13.2. Packaging treatment

- To avoid treatments, as far as possible, use dedicated containers.

If not,

- Rinse the empty containers with plenty of water and treat the effluent in the same way as waste.

Or

- Dispose of the containers by dispatching them to an approved industrial incineration facility.
- The empty and clean containers are to be reused in conformity with regulations.

## 14. TRANSPORT INFORMATION

- Not subject

## 15. REGULATORY INFORMATION

### 15.1. EC Labelling

Not classified according to Directive 67/548/EEC.

## 16. OTHER INFORMATION

### 16.1. Reason for update

- Update:
- General update

The given information corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment.