

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2010

Revision: 25.10.2010

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

- **Product details:**

- **Trade name:** Melpool CA+

- **Application of the substance / the preparation:** Chemicals for various applications

- **Manufacturer / Supplier:**

Melspring International B.V.
 Arnhemsestraatweg 8
 NL-6881 NG Velp

Phone: +31 (0) 26 - 38420 - 00

Fax: +31 (0) 26 - 38420 - 11

- **E-mail address of the competent person responsible for the Safety Data Sheet:** *sdb@csb-online.de*

- **Informing department:** Sales / Technics

- **Emergency information:**

National (Dutch) Toxic Information Center

Phone: ++31-302748888

As above or next toxicological information centre

2 Hazards identification

- **Classification of the substance or mixture**

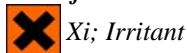
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P401 Store in accordance with local/regional/national/international regulations.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Labelling according to EU guidelines:**

The product has been classified/labelled in accordance with EC Directives / relevant national laws.

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· **Code letter and hazard designation of product:***Xi Irritant*· **Risk phrases:**

36 Irritating to eyes.

· **Safety phrases:**

2 Keep out of the reach of children.

22 Do not breathe dust.

24 Avoid contact with skin.

3 Composition/information on ingredients· **Chemical characterization:**· **CAS No. Designation:**

10043-52-4 Calcium chloride

· **Identification number(s):**· **EINECS Number:** 233-140-8· **Index number:** 017-013-00-2**4 First aid measures**· **General information:** Remove contaminated clothing.· **After inhalation:** Supply fresh air; consult doctor in case of symptoms.· **After skin contact:**

Rinse with plenty of water.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

· **After swallowing:**

Do not induce vomiting!

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

5 Firefighting measures· **Suitable extinguishing agents**Carbon dioxide (CO₂), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.· **Special hazards caused by the material, its products of combustion or flue gases:**

Can be released in case of fire:

Chlorine

Hydrogen chloride (HCl)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· **Protective equipment:** Wear self-contained breathing apparatus.· **Additional information**

Cool endangered containers with water spray jet.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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6 Accidental release measures

- **Person-related safety precautions:**
 - Ensure adequate ventilation.
 - Keep people at a distance and stay on the windward side.
 - Avoid causing dust.
 - Avoid breathing dust.
 - Avoid contact with skin and eyes.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
 - Ensure adequate ventilation.
 - Collect mechanically.
 - Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of dust.
 - Avoid contact with skin and eyes.
 - Do not breathe dust.
 - Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
 - Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidizers.
- **Further information about storage conditions:**
 - Protect from humidity and keep away from water.
 - This product is hygroscopic.
 - Keep container tightly sealed.
 - Store in cool, dry conditions in well sealed containers.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 - Keep away from foodstuffs, beverages and food.
 - Instantly remove any contaminated garments.
 - Avoid contact with the eyes and skin.
 - Use skin protection cream for preventive skin protection.
 - Do not breathe dust.
- **Breathing equipment:**
 - If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.
 - Use breathing protection in case of dust formation.
 - Dust proof mask - particle filter mask
- **Protection of hands:**
 - Protective gloves

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To avoid skin problems reduce the wearing of gloves to the required minimum.

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Natural rubber - NR

Chloroprene rubber - CR

Butyl rubber - BR

Fluorocarbon rubber (Viton) - FKM

Nitrile rubber - NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Eye protection:** Tightly sealed safety glasses

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form: crystalline powder

Colour: white

· **Smell:** odourless

· **Change in condition**

Melting point/Melting range: 782°C

Boiling point/Boiling range: 1601°C

· **Flash point:** not applicable

· **Inflammability (solid, gaseous)** Product is not inflammable.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C:** 2,15 g/cm³

· **Solubility in / Miscibility with**

Water at 20°C: 740 g/l

· **pH-value (100 g/l) at 20°C:** 9 - 10,5

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:** Strong oxidizing agents

· **Dangerous reactions** Diluting or dissolving in water always causes rapid heating

· **Dangerous products of decomposition:**

Hydrogen chloride (HCl)

Chlorine

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

10043-52-4 Calcium chloride

Oral LD50 1000 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** Longer lasting and/or repeated skin contact may cause irritation.

· **on the eye:** Irritant effect

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· **Sensitization:** No sensitizing effect known.

12 Ecological information

· **Information about elimination (persistence and degradability):**· **Degree of elimination:** no data available· **Behaviour in environmental systems:**· **Mobility and bioaccumulation potential:** not determined· **Ecotoxicological effects:**· **Aquatic toxicity:** not determined· **Additional ecological information:**· **General notes:**

There are no quantitative data on the ecological effects of this product available to us.

Do not allow product to reach ground water, water bodies or sewage system.

Water hazard class 1 (Assessment by list): slightly hazardous for water

13 Disposal considerations

· **Product:**· **Recommendation**

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

Disposal must be made according to official regulations.

· **European waste catalogue:**

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

· **Land transport ADR/RID (cross-border):**· **ADR/RID Class:** -· **Maritime transport IMDG-Code:**· **IMDG Class:** -· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -· **UN "Model Regulation":** -· **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

· **Labelling according to Regulation (EC) No 1272/2008**· **Hazard pictograms**

GHS07

· **Signal word** Warning

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- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P401 Store in accordance with local/regional/national/international regulations.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Designation according to EC guidelines:**

The product has been classified/labelled in accordance with EC Directives / relevant national laws.

- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**

36 Irritating to eyes.

- **Safety phrases:**

2 Keep out of the reach of children.

22 Do not breathe dust.

24 Avoid contact with skin.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

- **National regulations**

- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

- **Decree to be applied in case of technical fault:** -

- **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water

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.

- **Reasons for changes:**

The Material Safety Data Sheet has been revised. Changes in the respective chapters are characterized in the left side edge by *.

Changes in classification and labelling

- **Department issuing MSDS:**

C.S.B. GmbH Phone: +49 - 2151 - 652086-0

Parkstraße 29 Fax: +49 - 2151 - 652086-9

D-47829 Krefeld

Germany

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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*ICAO: International Civil Aviation Organization**ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*

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