

# 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 TA+
- **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

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** Void
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Labelling according to EU guidelines:**  
 The product has not to be classified and labelled in accordance with EC Directives / relevant national laws.

### 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Designation:**  
 144-55-8 sodium hydrogencarbonate
- **Identification number(s):**
- **EINECS Number:** 205-633-8

### 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:** Wash with soap and water.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:**  
 Rinse out mouth and then drink plenty of water.  
 Seek medical treatment.

### 5 Firefighting measures

- **Suitable extinguishing agents**  
 Carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** none

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- **Special hazards caused by the material, its products of combustion or flue gases:**  
Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation.  
Keep people at a distance and stay on the windward side.  
Avoid breathing dust.
- **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.  
Do not breathe dust.  
Avoid contact with skin and eyes.  
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.  
Do not store together with strong acids.
- **Further information about storage conditions:** 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:**  
Observe all workplace limits for dust.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Avoid close or long term contact with the skin.  
Avoid contact with the eyes.  
Do not breathe dust.
- **Breathing equipment:**  
Use breathing protection in case of dust formation.  
Dust proof mask - particle filter mask  
If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.
- **Protection of hands:** Protective gloves

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· Eye protection: Safety glasses

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## 9 Physical and chemical properties

### · General Information

#### · Appearance:

Form: Powder

Colour: white

· Smell: odourless

### · Change in condition

Melting point/Melting range: not determined

Boiling point/Boiling range: not determined

· Flash point: not applicable

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

· Danger of explosion: Product is not explosive.

· Density at 20°C: 2,2 g/cm<sup>3</sup>· Bulk density at 20°C: ~ 1000 kg/m<sup>3</sup>

### · Solubility in / Miscibility with

Water at 20°C: 95,5 g/l

· pH-value at 20°C: 8,1

## 10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.

· Materials to be avoided: Strong acids

### · Dangerous products of decomposition:

Carbon dioxide

Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

## 11 Toxicological information

### · Acute toxicity:

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

144-55-8 sodium hydrogencarbonate

Oral LD50 4220 mg/kg (rat)

### · Primary irritant effect:

· on the skin: Slightly irritating

· on the eye: Short time, reversible irritating effect.

· Sensitization: No sensitizing effect known.

### · Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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### 12 Ecological information

· **Ecotoxicological effects:**· **Aquatic toxicity:****144-55-8 sodium hydrogencarbonate**EC50/48 h 2350 mg/l (water flea (*daphnia magna*))LC50/96 h 7550 mg/l (*gambusia affinis*)8250 mg/l (*bluegill (lepomis macrochirus)*)· **Additional ecological information:**· **General notes:** 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.

### 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** Void· **Signal word** Void· **Hazard statements** Void· **Designation according to EC guidelines:**

The product has not to be classified and labelled in accordance with EC Directives / relevant national laws.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.· **National regulations**· **Decree to be applied in case of technical fault:** -· **Water hazard class:**

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

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ID-Number: 374

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## 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 \*.*

· **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)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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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