

# 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.* *Phone: +31 (0) 26 - 38420 - 00*  
*Arnhemsestraatweg 8* *Fax: +31 (0) 26 - 38420 - 11*  
*NL-6881 NG Velp*
- **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*

(Contd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2010

Revision: 25.10.2010

Trade name: Melpool TA+

(Contd. of page 1)

- **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

(Contd. on page 3)

UKG

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2010

Revision: 25.10.2010

Trade name: Melpool TA+

(Contd. of page 2)

· Eye protection: Safety glasses

## 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.

UKG

(Contd. on page 4)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2010

Revision: 25.10.2010

Trade name: Melpool TA+

(Contd. of page 3)

**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

(Contd. on page 5)

UKG

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2010

Revision: 25.10.2010

Trade name: **Melpool TA+**

ID-Number: 374

(Contd. of page 4)

### 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*