

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.06.2006

Reviewed on 16.06.2006


1 Identification of substance:

- **Product details:**
- **Trade name:** Super Cubes
- **Application of the substance / the preparation** Flocculant/ Flocculating agent
- **Manufacturer/Supplier:**
Melspring International BV
Arnhemsestraatweg 8, P.O. Box 268
NL-6880 AG Velp
Phone: +31-(0)26-384 2030
Fax: +31-(0)26-384 2031
- **Informing department:** Sales / Technics
- **Emergency information:** As above or next toxicological information centre

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless products.

- **Dangerous components:**

CAS: 12125-02-9	Ammonium chloride		Xn; R 22-36	< 20%
EINECS: 235-186-4				
EC Number: 017-014-00-8				

- **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment** void

4 First aid measures

- **General information** Remove contaminated clothing.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Wash with soap and water.
If skin irritation continues, consult a doctor.
- **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.
In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** none
- **Special hazards caused by the material, its products of combustion or flue gases:**
Nitrogen oxides (NOx)
Hydrogen chloride (HCl)
Carbon monoxide (CO) and Carbon dioxide (CO2)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

GB

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.06.2006

Reviewed on 16.06.2006

Trade name: Super Cubes

(Contd. of page 1)

6 Accidental release measures

- **Person-related safety precautions:**
Product forms slippery surface when combined with water.
Avoid skin and eye contact.
- **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 skin and eye contact.
- **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:** Not required
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Store container in a well ventilated position.

8 Exposure controls and 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:**

12125-02-9 Ammonium chloride	
WEL (Great Britain)	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³

- **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.
Do not breathe dust.
Avoid contact with the eyes and skin.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Protective gloves
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.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- **Material of gloves**
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.06.2006

Reviewed on 16.06.2006

Trade name: Super Cubes

(Contd. of page 2)

- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

9 Physical and chemical properties:

· General Information

Form:	Gel
Colour:	blue
Smell:	characteristic

· Change in condition

Melting point/Melting range: not determined
Boiling point/Boiling range: not determined

· **Flash point:** not applicable

· **Self-inflammability:** Product is not selfigniting.

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

· **Density** not determined

· Solubility in / Miscibility with

Water: fully miscible

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** No dangerous reactions known.
- **Dangerous products of decomposition:**
Nitrogen oxides (NO_x)
Hydrogen chloride (HCl)
Carbon monoxide (CO) and Carbon dioxide (CO₂)

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

12125-02-9 Ammonium chloride

Oral	LD50	1650 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.

GB

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.06.2006

Reviewed on 16.06.2006

Trade name: Super Cubes

(Contd. of page 3)

12 Ecological information:

- **General notes:** Water hazard class 2 (Self-assessment): 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/GGVSea:**
- **IMDG/GGVSea Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:** Observe all safety regulations when handling chemicals.
- **Special designation of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** Water hazard class 2 (Self-assessment): 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.

- **Relevant R-phrases**
The(se) R-phrase(s) are those of the ingredient(s) and do(es) NOT represent the classification of the preparation.
22 Harmful if swallowed.
36 Irritating to eyes.
- **Department issuing MSDS:**
C.S.B. GmbH Phone: ++49 - 2151 - 652086-0
Oberstraße 10 Fax: ++49 - 2151 - 652086-9
D-47829 Krefeld
Germany
- **Contact:**