

Methyl Cellulose: Technical Leaflet

Product Description

Sodium Salt of Carboxymethylcellulose, purified to a CMC content of 98% minimum.

A water-soluble polymer used as an adhesive, thickener, rheology control agent, binder, stabiliser, protective colloid, film former.

Odourless, light cream to white in colour.

A free flowing powder or granulate.

Technical Information

pH 6.5 – 8.5 (1% solution), Methyl Cellulose (a.k.a. **CMC**) is **completely** soluble in water and **insoluble** in solvents.

Has a viscosity range of 300-600 centipoise, **producing a** medium viscosity **conservation** paste when **mixed with water**.

Usage

Simply mix with cold water to produce a medium viscosity conservation paste, To increase **viscosity add more water**.

Storage Information

A non-perishable powder. This product is hygroscopic, **best storage** will be **achieved** by keeping **in a dry container** and **away** from heat.

Product Safety

According to EEC legislation on **dangerous** substances and preparations Methyl Cellulose/CMC is not hazardous, For complete information a prior to **use**, please see the Safety Data Sheet.

Product Code: P793-1000

Pack **Size:** 1 Kilo

Sole European Importer for University Products Inc and Lineco Inc

Registered in England No. 2264436

VAT No CR 491 0421 69

MATERIAL SAFETY DATA SHEET METHYL CELLULOSE

1) Identification of Product

Chemical Description: Sodium carboxymethylcellulose, sodium CMC, refined grade for industrial uses.

2) Information on Ingredients

Chemical Description: Sodium carboxymethylcellulose, sodium GMC, refined grade for industrial uses.

3) Hazards Identification

Caution: Wet floors on which this powder is spilt may become very slippery. This powder when dispersed in air represents an explosion hazard.

Short Term Exposure: No effects known on humans from discontinuous short-term exposure.

Long Term Exposure: No effects known on humans known from discontinuous long-term exposure.

Ecology: No long-term ecological effects

4) First Aid Measures

Skin: Wash off immediately with plenty of soap and water.

Eyes: Irrigate with water.

Oral: Drink large quantities of water. Rinse out mouth with water

Inhalation: Remove to fresh air. Treat any irritation symptomatically. Call a doctor.

5) Fire Fighting Measures

Conditions to avoid: Keep away from heat, sparks and flames. Avoid excess dust in the atmosphere since this is an explosion hazard in the presence of electrical sparks and static discharges.

Fire Fighting Measures: Fight the fire using water spray, sand, dry powder, carbon dioxide or foam.

Protective Equipment: Impervious Gloves. Use Goggles. Nose and mouth gauze filter.

Combustion Products: Carbon Monoxide, carbon dioxide and smoke,

6) Accidental Release Measures

Caution: Wet floors on which this powder is spilt may become very slippery. This powder when dispersed in air represents an explosion hazard.

Protective Equipment: Impervious Gloves. Use Goggles. Nose and mouth gauze filter

Spillage: Small quantities of product may, after dilution with water be passed to an effluent plant. Large quantities must be placed in containers and to maintain the aerial concentration below 10 mg/m³.

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12) Ecological information

Acute fish toxicity

The four day median tolerance limit (TL₅₀) of rainbow trout and bluegills under static conditions is greater than 100 part sodium CMC per million parts of water. In addition no adverse reactions were noted in the fish exposed to sodium CMC. These results demonstrate that sodium CMC has a low order of toxicity in fish.

Biodegradability

This product does not represent a long term ecological problem. It is slowly biodegradable.

13) Disposal Considerations

Disposal Taking into consideration the local authority regulations, it may be landfilled or incinerated together with household refuse. The residue may be washed to an effluent system.

14) Transport Information

IMO Classification	none
UN Number	none
ADR Classification	none
IATA Classification	none

15) Regulatory Information

EEC Labelling	none
Risk Phrases	none
Safety Phrases	none

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