

Material Safety Data Sheet

According to Commission Directive 231/2012/EC

1. IDENTIFICATION OF PRODUCT

Chemical Description Sodium Carboxymethyl Cellulose,
Synonyms: Carboxymethyl Cellulose, Sodium CMC, cellulose gum
CAS Number 9004-32-4

2. HAZARDS IDENTIFICATION

Caution Wet floors on which this powder is split may become very slippery. This

power when dispersed in air represents an explosion hazard.

Short Term Exposure No permanent effects on humans known from discontinuous short-term exposure when used as directed.

Long Term Exposure No permanent effects on humans known from discontinuous long-term exposure when used as directed.

Ecology No long-term ecological effects.

3. INFORMATION ON INGREDIENTS

This product is to be considered as a substance in conformance to EC directives information on hazardous ingredients

EINECS No.: Unlisted

Hazard Symbols: None listed

Risk Phrases: None listed

4. FIRSTAIDMEASURES

Skin Wash off immediately with plenty of soap and water.

Eyes Flush with plenty water.

Ingestion Drink large quantities of milk or water. Wash mouth out with water.

Inhalation Move individual into fresh air. Treat any irritation symptomatically. If necessary, seek medical attention.

5. FIRE FIGHTINGMEASURES

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.

Fire Fighting Measures Fight the fire using water spray, sand, dry power or foam.

Protective Equipment Impervious gloves. Use goggles. Use a dust mask.

Combustion Products/ Carbon monoxide, carbon dioxide, steam 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.

Spillage Sweep up this product for use or place in a container for disposal.

7. HANDLING AND STORAGE

Handling Handle in a well ventilated area. The fine particles and powder should be regarded as an inert, nuisance dust with a threshold limit value of 10mg/m³ for total dust and of 3mg/m³ for the respirable portion.

Avoid

static build-up when emptying big bags. Earth all equipment and attach a

grounding cable to the bag grounding connection.

Storage Product should be stored, under cover, in a clean wet ventilated area.

Maintain a clean area by removing dust. Keep away from heat, sparks and

other sources of ignition. Store in a dry area.

Packaging Material to Avoid None. The packaging material should have reasonable moisture and air barrier properties.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls Handle in a well-ventilated area. Normal industrial hygiene measures should be sufficient.

Protective Equipment Impervious gloves. Use goggles. Use a dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical data are:

Form Free flowing powder or granulate

Color Light cream to white

Odor Odorless

Solubility Complete in water

pH value (25°C) 6.5-8.5 (2% solution)

Dust explosion data: N/A

Auto-flammability (°C) ~370 (dust)

Explosion Limit-lower (g/m³) 165 (dust)

Melting point: 300°C

10. STABILITY AND REACTIVITY

Stability This product is chemically stable.

Reactivity No additional hazardous chemicals are known to be formed when used as directed in this application.

11. TOXICOLOGICAL INFORMATION

Dermal This product is not absorbed percutaneously in rats, rabbits or

humans. This product is believed not to cause skin irritation or sensitization.

Eyes This product should not be regarded as an eye irritant.

Oral This product is not metabolized in the body. No adverse effects

known as a result of ingestion. LD₅₀ rat > 2000 mg/kg.

Inhalation No effects known.

Additional Information Wealthy has not determined the safety of this product for medical implant uses.

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity The four days median tolerance limit (TL₅₀) of rainbow trout and

bluegills under static conditions is greater than 100 parts product per

million parts of water. 96 h static test LC 50 *Oncorhynchus mykiss* (rainbow trout): > 100.00 mg/L. 96 h static test LC 50 *Lepomis macrochirus* (Bluegill sunfish): > 100.00 mg/L. In addition no adverse reactions were noted in the fish exposed to this product. 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.

WGK Classification 1

13. DISPOSAL CONSIDERATIONS

Disposal Waste incineration or special disposal with the approval of the

responsible local authority.

EWC Classification 07 07 99

14. TRANSPORT INFORMATION

No hazardous for sea transport according to IMO IMDG CODE.

RID/ADR: No classification assigned

ADNR: No classification assigned

IMDG Code: No classification assigned

ICAO/IATA-DGR: No classification assigned

UN Number: No classification assigned

15. REGULATORY INFORMATION

Labeling according to EC directives

Danger symbols None

Risk Phrases None

Safety Phrases None

16. OTHER INFORMATION

Update information Upgraded SDS to 2001/58/EC status

Additional Information Further information and reference on the safety aspects of the