

CREATION DATE : 06/04/00
REVISION DATE: 02/01/03 v 2.0
PRINT DATE : 21/02/03

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : GSTP
Supplier : BENTOFRANCE
Z. I. & Portuaire - rue Louis Sallent
26800 PORTES-LES-VALENCE - FRANCE
Emergency Telephone Number: (33) 4 75 57 83 30 Fax No (33) 4 75 57 43 62

2. COMPOSITION / INFORMATION ON INGREDIENTS

Identification of the preparation : Anionic water-soluble polymer.

3. HAZARDS IDENTIFICATION

Caution : Spilt material is slippery , sweep up from floor. This powder 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

4. FIRST AID MEASURES

Inhalation : Remove to fresh air. Treat any irritation symptomatically. If necessary consult a physician
Skin Contact : Wash off immediately with plenty of soap and water
Eyes Contact : Irrigate with water
Ingestion : Drink large quantities of water. Rinse out mouth with water.

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. Use a dust mask

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Combustion products : Carbon monoxide, carbon dioxide, steam and smoke

6. ACCIDENTAL RELEASE MEASURES

Caution : Spilt material is slippery ; sweep up from floor. This powder when dispersed in air represents an explosion hazard.
Protective equipment : Impervious gloves. Use goggles. Use a dust mask.
Spillage : Sweep up this product for use a place in a container for disposal. Dispose of in accordance with local regulations

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 10 mg/m³ for total dust and of 4 mg/m³ for the respirable portion. Earth all equipment.
Storage : Product should be stored, under cover, in a clean well ventilated. Maintain a clean area by removing dust. Keep away from heat, sparks and others sources of ignition. Store in 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

Appearance : Free flowing powder of granulate
Colour : Light cream to white
Odour : Odourless
pH Value (25°C): 5.5 - 8.5 (2% solution)
Boiling Point(°C) : Not Applicable
Flash Point (°C) : Not Applicable
Water Solubility : Soluble
Solubility (Other) : /
Explosion Limit - Lower (g/m³): 156

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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 irritation or sensitization.
Eyes : This product is believed not to be an irritant.
Oral : We believe that this product has a low order of toxicity. LD 50 > 2000mg/kg
The ingestion of small amounts over a long period of time will not cause any adverse effects.
Inhalation : No effects known

12. ECOLOGICAL INFORMATION

Acute fish toxicity : The four median tolerance limit (TL 50) of rainbow trout and bluegills under static conditions is greater than 100 parts product per million parts of water. 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.

13. DISPOSAL CONSIDERATIONS

Disposal : Waste incineration or special disposal with the approval of the responsible local authority.

14. TRANSPORT INFORMATION

UN Number : None
IMO Classification : None
ADR Classification : None
IATA Classification : None

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15. REGULATORY INFORMATION

EC Labelling : None
Risk Phrases : None
Safety Phrases : None

16. OTHER INFORMATION

Person to contact Laurent NICOLAS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may be valid for such material used in combination with any other materials or in any process unless specified in the text.