Ticalose® CMC 2500 Fine Powder

Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date: 5/16/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name: Ticalose® CMC 2500 Fine Powder
Product code: CMC 2500 F

1.2. Intended Use Of The Product

Use of the substance/preparation: Emulsifying, Gelling, Stabilizing and Thickening Agent

1.3. Name, Address, And Telephone Of The Responsible Party

Operations
4609 Richlynn Drive
Belcamp, MD 21017 USA
(800) 899-3953 / 410-273-7300
ticgums.com

1.4. Emergency telephone number

Emergency number: 410-273-7308

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Combustible Dust

2.2. Label elements

Classification (GHS-US)

Signal word (GHS-US): Warning

Hazard statements (GHS-US): May form combustible dust concentrations in air

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier (CAS No.)	%
Sodium Carboxymethyl cellulose	9004-32-4	Proprietary*

*The specific chemical concentration is being withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area.
First-aid measures after skin contact: Rinse with plenty of water.
First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation: Prolonged inhalation of dust may cause respiratory irritation.
Symptoms/injuries after skin contact: Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/injuries after eye contact: Dust from this product may cause minor eye irritation.
Symptoms/injuries after ingestion: None under normal use.

4.3 Indication of any immediate medical attention and special treatment needed No additional information available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide.
Explosion hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.
Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3 Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

6.1.1. For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect spillage. Avoid generation of dust during clean-up of spills. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Take precautionary measures against static discharge.
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Direct sunlight. Heat sources. Keep container closed when not in use. Protect from moisture.
Incompatible products: Strong bases. Strong acids.

7.3. Specific end use(s) Emulsifying, Gelling, Stabilizing and Thickening Agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Specific dusts not listed fall under Particulates Not Otherwise Regulated:

OSHA PEL (Repsirable Dust): 5 mg/m3
OSHA PEL (Total Dust): 15 mg/m3

8.2. Exposure controls

Appropriate engineering controls	: Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.
Personal protective equipment	: Dust formation: Dust mask. Gloves. Protective goggles.

Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
Other information	: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Off-White - Light Tan / Characteristic
Odor	: Odorless
Oder threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash Point	: No data available
Auto-ignition temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available

Solubility	: No data available
Log Pow	: Soluble in water.
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Protect from moisture. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under conditions of fire this material may produce: Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Hazardous decomposition products

Sodium Carboxymethyl cellulose (9004-32-4)	
Toxicity to Animals	LD50 (Oral Rat) 27000 mg/kg

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: Prolonged inhalation of dust may cause minor respiratory irritation.
Symptoms/injuries after skin contact: Dust may cause minor irritation in skin folds or by contact in combination with tight clothing.
Symptoms/injuries after eye contact: Dust from this product may cause minor eye irritation.
Symptoms/injuries after ingestion: None under normal use.

SECTION 12: Ecological information

12.1. Toxicity No additional information available

12.2.

CMC 2500 F	
Persistence and degradability	Not established.

CMC 2500 F	
Bioaccumulative potential	Not established.

12.4. Mobility in soil No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

14.1. UN number Not applicable

14.2. UN proper shipping name Not regulated for transport.

14.3. Additional information

Other information : No supplementary information available.

Overland transport Not regulated for transport.

Transport by sea Not regulated for transport.

Air transport Not regulated for transport.

SECTION 15: Regulatory information

15.1. US Federal regulations

Sodium Carboxymethyl cellulose (9004-32-4)
Listed on US TSCA Inventory - Sodium Carboxymethyl Cellulose

15.2. International regulations

Sodium Carboxymethyl cellulose (9004-32-4)
No Data Available

15.3. US State regulations

Sodium Carboxymethyl cellulose (9004-32-4)
No Data Available

SECTION 16: Other information

Data sources : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Comb. Dust	Combustible Dust