



Material Safety Data Sheet

Cellulose Microcrystalline

Name:	Cellulose Microcrystalline Material Safety Data Sheet
Synonym:	Non
CAS:	9004-34-6

Section 1 - Chemical Product

MSDS Name: Cellulose Microcrystalline Material Safety Data Sheet

Synonym:Non

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
9004-34-6	Cellulose Microcrystalline	100	232-674-9

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. Low hazard for usual industrial handling.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic:

No information found.



Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Dusts may be an explosion hazard if mixed with air at critical proportions and in the presence of an ignition source.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Very fine particles can cause a fire or explosion.

Eliminate all ignition sources. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Section 7 - HANDLING and STORAGE

Handling:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:



Store in a cool, dry place. Store in a tightly closed container.

Keep from contact with oxidizing materials. Store protected from moisture.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 9004-34-6: United Kingdom, WEL - TWA: 10 mg/m³ TWA (inhalable dust); 4 mg/m³ (respirable dust) United Kingdom, WEL - STEL: 20 mg/m³ STEL (inhalable dust); 12 mg STEL (respirable dust) United States OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction) Belgium - TWA: 10 mg/m³ VLE France - VME: 10 mg/m³ VME Malaysia: 10 mg/m³ TWA Netherlands: 2 mg/m³ MAC Russia: 2 mg/m³ STEL (inhalable dust) Spain: 10 mg/m³ VLA-ED Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: white

Odor: none reported

pH: Not available.

Vapor Pressure: Not applicable.

Viscosity: Not applicable.

Boiling Point: Not available.

Freezing/Melting Point: 500-518 deg F

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: 500-518F

Solubility in water: Insoluble in water.

Specific Gravity/Density: 1.27



Molecular Formula: C₆H₁₀O₅X

Molecular Weight: 162.067

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable. Cellulose materials should be kept dry since they may undergo spontaneous combustion from the heat of microbial activity and self-sustaining oxidation. Exposure to moisture enhances microbial action.

Conditions to Avoid:

Incompatible materials, moisture.

Incompatibilities with Other Materials:

Bromine pentafluoride, hydrogen peroxide, sodium hypochlorite, sodium nitrate, fluorine, strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 9004-34-6: FJ5691460 LD50/LC50:

CAS# 9004-34-6: Inhalation, rat: LC50 = >5800 mg/m³/4H; Oral, rat: LD50 = >5 gm/kg; Skin, rabbit:

LD50 = >2 gm/kg.

Carcinogenicity:

Cellulose - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.



Section 14 - TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 9004-34-6: No information available.

Canada

CAS# 9004-34-6 is listed on Canada's DSL List.

CAS# 9004-34-6 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 9004-34-6 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A