

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Carboxymethylcellulose Sodium USP (High Viscosity)
Commercial Name CARBOXYMETHYLCELLULOSE SODIUM SALT, HIGH VISCOSITY
Product Use Not available
Restrictions On Use Not available
Product Code 30-1800
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Emergency Overview GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Acute toxicity, Oral
CFR 1910.1200 (Category 4)
Signal Word WARNING

Hazard Statement(s)**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention P264 Wash skin thoroughly after handling P270 Do not eat, drink or smoke when using this product.
Response P301 P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P330 Rinse mouth.
Storage Not available.
Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Carboxymethylcellulose sodium
% By Weight 100
CAS# 9004-32-4
Molecular Weight Not available.
Chemical Formula Polymer

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Synonym(s)

AC-DI-SOL. NF * AKU-W 515 * AQUAPLAST * B 10 * B 10 (POLYSACCHARIDE) * BLANOSE BS 190 * BLANOSE BWM * CARBOSE 1M * CARBOXYMETHYLCELLULOSE, SODIUM SALT * CARMETHOSE * CELLOFAS * CELLOFAS B * CELLOFAS B5 * CELLOFAS B6 * CELLOFAS B50 * CELLOFAS C * CELLOGEL C * CELLOGEN 3H * CELLOGEN PR * CELLOGEN WS-C * CELLPRO * CELLUFIX FF 100 * CELLUGEL * CELLULOSE GLYCOLIC ACID, SODIUM SALT * CELLULOSE SODIUM GLYCOLATE * CMC 2 * CMC 41A * CM-CELLULOSE SODIUM SALT * CMC 7H * CMC 4H1 * CMC 7H3SF * CMC 7L1 * CMC 7M * CMC 4M6 * CMC 7MT * CMC 3M5T * CMC SODIUM SALT * COLLOWEL * COPAGEL PB 25 * COURLOSE A 590 * COURLOSE A 610 * COURLOSE A 650 * COURLOSE F 4 * COURLOSE F 8 * COURLOSE F 20 * COURLOSE A 650 * COURLOSE F 4 * COURLOSE F 8 * COURLOSE F 20 * COURLOSE F 370 * COURLOSE F 1000G * DAICEL 1150 * DAICEL 1180 * EDIFAS B * ETHOXOSE * FINE GUM HES * GLIKOCEL TA * 7H3SF * KMTS 212 * KMTS 300 * KMTS 500 * KMTS 600 * LOVOSA * LOVOSA 20ALK. * LOVOSA TN * LUCEL (POLYSACCHARIDE) * MAJOL PLX * MODOCOLL 1200 * NACM-CELLULOSE SALT * NYMCEL S * NYMCEL SLC-T * NYMCEL ZSB 10 * NYMCEL ZSB 16 * POLYFIBRON 120 * SANLOSE SN 20A * SARCELL TEL * S 75M * SODIUM CARBOXYMETHYLCELLULOSE * SODIUM CARBOXYMETHYLCELLULOSE * SODIUM GLYCOLATE CELLULOSE * SODIUM SALT OF CARBOXYMETHYLCELLULOSE * TYLOSE666 * TYLOSE C * TYLOSE C 30 * TYLOSE C 300 * TYLOSE C 600 * TYLOSE CB 200 * TYLOSE CBR 400 * TYLOSE CBR SERIES * TYLOSE CBS 30 * TYLOSE CBS 70 * TYLOSE CB SERIES * TYLOSE C 1000P * TYLOSE CR * TYLOSE CR 50 * TYLOSE DKL * UNISOL RH *

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Carboxymethylcellulose Sodium	9004-32-4	100		ORAL (LD50): Acute: 27000 mg/kg [Rat].

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Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	None known
Delayed	None known
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon oxides, Sodium oxides

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well - ventilated place. Keep in a dry place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.

Engineering Controls Not available.

Personal Protection Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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Section 9: Physical and Chemical Properties

Appearance	OFF WHITE TO WHITE SOLID.		
Odor	Characteristic.		
Odor Threshold	Not available		
Melting Point	Decomposes.	pH	Not available
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Closed cup>200 degrees F	Autoignition temperature	370C (698F)
Flammability	May be combustible at high t	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Slight.		
Other	Density @25 °C 1.590		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides

Section 11: Toxicological Information**RTECS** Not available**Acute Toxicity**

Acute toxicity Oral LD50 LD50Inhalation LC50 no data available Dermal LD50 LD50 Dermal - rabbit - > 2,000 mg/kg Oral - rat - 27,000 mg/kg

Skin Corrosion/Irritation

May be harmful if absorbed through skin. May cause skin irritation.

Serious Eye Damage/Irritation

May cause eye irritation.

Respiratory or Skin Sensitization

May be harmful if inhaled. May cause respiratory tract irritation.

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Inhalation. Ingestion. Skin. Eyes.

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Symptoms Related to Exposure

Not available

Potential Health Effects

May be harmful if swallowed.

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 100 - 1,000 mg/l - 96 h Toxicity to daphnia EC50 -
Daphnia - 87.26 mg/l - 48 h and other aquatic invertebrates

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Harmful to aquatic life.

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as unused product.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

DOT (US): Not dangerous goods; IMDG: Not dangerous goods; IATA: Not dangerous goods;

Section 15: Regulatory Information**Regulations**

OSHA Hazards No known OSHA hazards SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA Hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Carboxymethylcellulose sodium salt CAS-No. Revision Date 9004-32-4 New Jersey Right To Know Components Carboxymethylcellulose sodium salt CAS-No. Revision Date 9004-32-4 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other

Not applicable.

Section 16: Other Information

Not applicable.