

# MATERIAL SAFETY DATA SHEET



CMC Chemical  
47 Heisser Court  
Farmingdale, NY 11735

Emergency Contact: Cal Chemtrec at 1-800-424-9300

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sewer Solve  
CHEMICAL NAME: Sodium Bisulfate, Anhydrous Globular, Technical  
CHEMICAL FORMULA:  $\text{NaHSO}_4$

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	% (by weight)	Exposure Limits
Sodium bisulfate	7881-38-1	91.5 – 94.7	none established
Sodium sulfate	7757-82-6	4.8 – 8.0	none established
Mositure	7732-18-5	0.1 – 0.8	none established

OSHA: This material is classified as an irritant under current OSHA regulations.

## SECTION 3: HAZARDS IDENTIFICATION

Potential Environmental Effects: Material in dry form is not hazardous to the environment. However, readily dissolves in water to form a weak acidic solution. Therefore, keep out of streams and ditches.

Reproduction Information: No data available

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes mild to severe irritation. May casue burn if not flushed with water.

**SKIN:** Prolonged exposure may cause moderate irritation. May cause burn if not flushed with water.

**INGESTION:** Small amounts (tablespoon) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

**INHALATION:** Inhalation of dust may irritate or burn nose, throat, and lungs.

Teratology (Birth Defect) Information: No data available

CHRONIC (Cancer) Information: Not known to cause cancer. Not listed as carcinogen by IARC, NTP, OSHA.

## SECTION 4: FIRST AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes, lifting eyelids to thoroughly flush. If redness or irritation persists, get prompt medical attention.

**SKIN:** Immediately flush affected area with water for at least 15 minutes. If burn occurs, seek immediate medical attention.

**INGESTION:** If large amounts are ingested (greater than tablespoonful), drink large quantities of milk or water. Follow with Milk of Magnesia, beaten eggs or vegetable oil. Do not induce vomiting. Contact physician immediately.

**INHALATION:** Remover to fresh air. If irritation or discomfort persists, seek medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE Properties:** Not applicable. Material will not burn.

**Flammable Limits:** Not applicable. Material is non-cimbustable.

**Extinguished Media:** Use extinguishing media appropriate for surrounding fire. Because material will readily dissolve in water to form a weak acidic solution, avoid water contact with material if possible.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Land Spill:** Vacuum or shovel material and place in disposal container. Avoid excessive dust generation. Dilute residual material with ample supply of water and direct to sanitary sewer if federal, state, local regulations permit.

**Water Spill:** Readily dissolves in water to form a weak acidic solution. If water is isolated or can be contained, neutralize with a weak alkaline solution

**SECTION 6 NOTES:** Notify appropriate authorities if required by regulations.

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#### SECTION 7: HANDLING AND STORAGE

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**HANDLING:** Wear all recommended personal protective clothing when handling. Avoid contact with eyes. Wash thoroughly after handling. Minimize dust generation. Avoid breathing dust.

**STORAGE:** Material is hygroscopic and will readily absorb moisture. Keep containers tightly closed. Do not store where exposed to moist conditions. Do not store near strong alkalis.

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Provide general and or local exhaust ventilation to maintain airborne particulate below nuisance levels (>10 mg/m<sup>3</sup>).

**RESPIRATORY PROTECTION:** In dusty atmospheres (>10 mg/m<sup>3</sup>), use a NIOSH approved dust respirator

**EYE PROTECTION:** Safety glasses or goggles

**SKIN PROTECTION:** Rubber gloves are cotton blend overalls

**General HYGIENIC Considerations:** There are no known health hazards associated with this material when used as recommended. Follow good industrial hygiene practices including but not limited to: (1) wash hands after use and before eating; (2) avoid breathing dust; (3) wear safety glasses.

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** off-white granular material

**ODOR:** fresh to pungent

**PHYSICAL STATE:** dry (anhydrous) crystalline solid

**Solubility:** 1080 g/l @ 68deg F (20deg C)

**Molecular Formula:** NaHSC<sub>4</sub>

**Particle Size:** +/- 0.75 mm diameter

**Bulk Density:** 80 – 86 lbs/ft<sup>3</sup> (loose)

**Melting Point:** 350deg F (177deg C)

**Percent Volatile:** non-volatile

**Molecular Weight:** 120

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#### SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Stable

**Incompatibility:** Avoid contact with strong alkaline material such as caustic. Dissolves readily in water to form a weak acid solution. Do not mix with liquid chlorine bleach, ammonia cleansers or similar products.

**Conditions to Avoid:** Do not store dry product where exposed to moist conditions.

**Hazardous Decomposition Products:** Only if heated over 806deg F (430deg C), at which sulfur dioxide and sulfur trioxide are formed.

**Hazardous Polymerization:** Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Reported Human Effects:** No human data are available for this product.

**Reported Animal Effects:** Oral – LD50 (rat) 2800 mg/kg

Skin irritation – This material is neither corrosive nor destructive to the skin of New Zealand rabbits. Occasionally, a very slight rash may appear

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicological Information:** This product readily dissolves in water to form a weak acid solution. A 0.05 percent or greater (by weight) solution of this product will likely be acutely harmful to fish and other water organisms.

**Chemical Fate Information:** Material will decompose in soil. Studies show that there are no adverse effects of applying the main ingredient in this product (sodium biosulfate) directly to crops. In fact, there are existing products on the market that use sodium biosulfate as a soil additive to improve crop production. However, do not apply excessive quantities to soil.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA), 40 CFR Part 281. Dispose of in accordance with federal, state, local laws and regulations.

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**SECTION 14: TRANSPORT INFORMATION**

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**Domestic (Land, Department of Transportation):** Not regulated.

**International (Water, IMO):** Not regulated.

**International (Air, ICAO, IATA):** Not regulated.

**Shipment in Canada:** Not regulated.

**Surface Shipments in Europe:** Not regulated.

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**SECTION 15: REGULATORY INFORMATION**

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**OSHA:** this product is classified as an irritant by definition of Hazard Communication Standard(29 CFR 1910,1200).

HMIS Rating: Health – 1; Flammability – 0; Reactivity – 1; Protective Equipment – F

**NPFA Rating:** Health – 1; Flammability – 0; Reactivity – 1; Special Precautions – None

**TSCA:** Listed in U.S. TSCA Section 8(b) Inventory.

**CERCLA (RQ):** This product contains no Hazardous Substances listed in 40 CFR Part 802.

**SARA Title III: Section 311/312 Hazard Class – Acute.**

This product contains none of the substances subject to the reporting requirements of section 313 (40 CFR Part 372).

**California Proposition 65:** This product does not contain any ingredient known to the state of California to cause cancer or reproductive toxicity as listed under the Safe Drinking Water and Toxic Enforcement Act of 1986.

**New Jersey:** Department of Health RTK List – m 1704. Special Hazardous Substances – Corrosive.

**Australia:** List of Designated Hazardous Substances – Corrosive (R34), Harmful (R37).

**Canada – WHMIS:** Controlled Product Hazard Class D2B. This product has been classified in accordance with the hazard criteria of CPR and the MSDS contains all the information required by the CPR.

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**SECTION 16: OTHER INFORMATION**

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**DISCLAIMER:** The information accumulated herein is believed to be accurate but is not warranted to be whether originating from CMC or not. Recipients are advised to confirm in advance that the information is correct, applicable, and suitable to their circumstances.

Updated 9/10/2009