

Material Safety Data Sheet (MSDS)

Product Name: Sodium Croscarmellose (water soluble) BP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Sodium Croscarmellose
- **Grade:** BP Grade, Water Soluble
- **Synonyms:** Carboxymethylcellulose Sodium Cross-linked
- **Uses:** Disintegrant in pharmaceutical tablets and capsules; excipient in formulations.

2. Hazards Identification

- **Classification:** Not classified as hazardous under normal conditions of use.
- **Potential Health Effects:**
 - *Inhalation:* May cause irritation to respiratory tract.
 - *Skin Contact:* Generally non-irritating; may cause mild irritation in sensitive individuals.
 - *Eye Contact:* Dust may cause mechanical irritation.
 - *Ingestion:* Low toxicity; large doses may cause gastrointestinal discomfort.

3. Composition/Information on Ingredients

- **Chemical Name:** Sodium Croscarmellose
- **CAS No.:** 74811-65-7
- **Purity:** BP Grade

4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Flush with plenty of water for 10–15 minutes; seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth; seek medical help if large amounts ingested.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, CO₂, dry chemical.
- **Hazards:** Combustible dust; may form explosive mixtures with air.
- **Protection for Firefighters:** Use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up or vacuum without creating dust.
- Place in suitable containers for disposal.
- Ensure adequate ventilation.

7. Handling and Storage

- **Handling:** Avoid dust generation, handle in accordance with GMP.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed.

8. Exposure Controls/Personal Protection

- **Respiratory Protection:** Dust mask if dust levels exceed exposure limits.
- **Eye Protection:** Safety goggles.
- **Skin Protection:** Gloves and protective clothing recommended.
- **Engineering Controls:** Use local exhaust ventilation if needed.

9. Physical and Chemical Properties

- **Appearance:** White to off-white, odorless powder.
- **Solubility:** Water soluble.
- **pH (1% solution):** 5.0 – 7.0
- **Moisture Content:** $\leq 10\%$
- **Bulk Density:** 0.4 – 0.6 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizers.
- **Hazardous Decomposition Products:** Carbon oxides, sodium oxides.
- **Conditions to Avoid:** Excessive heat, open flame, static discharge.

11. Toxicological Information

- **Acute Toxicity:** LD50 (oral, rat) > 10,000 mg/kg.
- **Irritation:** Mild irritant to eyes and respiratory tract.
- **Sensitization:** Not known to cause sensitization.
- **Chronic Toxicity:** No known long-term hazards.

12. Ecological Information

- **Eco-toxicity:** Not considered harmful to aquatic or terrestrial organisms.
- **Persistence/Degradability:** Biodegradable.
- **Mobility in Soil:** Low mobility.

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Can be disposed as non-hazardous chemical waste.

14. Transport Information (Detailed)

- **UN Number:** Not applicable (non-hazardous).
- **UN Proper Shipping Name:** Not regulated.
- **Transport Hazard Class(es):** Not classified as dangerous goods.
- **Packing Group:** Not applicable.
- **Environmental Hazards:** None identified.
- **Special Precautions for User:**
 - Avoid generation of dust during handling and transport.
 - Ensure packaging is sealed and secured to prevent leaks.
 - Store away from strong oxidizing agents and moisture during transit.
 - Recommended transport temperature: ambient (15–30°C).
- **Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code):** Not applicable.
- **Regulatory Transport Information:**
 - **ADR/RID (Europe):** Not regulated.
 - **IMDG (Sea Transport):** Not classified as marine pollutant.
 - **IATA (Air Transport):** Not restricted.
 - **DOT (USA):** Not regulated for transport.

15. Regulatory Information

- Complies with USP/BP pharmacopoeia standards.
 - Not listed as hazardous under OSHA, EU REACH, or GHS classification.
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16. Other Information

- **Disclaimer:** The information provided is believed to be accurate and reliable to the best of our knowledge. However, it is provided without any warranty, expressed or implied. The user must determine the suitability of this information for their particular purposes.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.