



Material Safety Data Sheet

Propylene Glycol Alginate MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Propylene Glycol Alginate](#)
- 1.2. Description: Propylene Glycol Alginate is a organic chemicals manufactured through chemical synthesis.
- 1.3. Chemical Formula: (C₉H₁₄O₇)_n
- 1.4. Molecular weight: Not Applicable
- 1.5. CAS #: 9005-37-2
- 1.6. EINECS #: Not Applicable
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as Thickeners

2. Composition

- 2.1. Propylene Glycol Alginate: 100%
- 2.2. Hazardous impurities: Negative

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: White to off-white powder
- 3.3. Odor: Odorless
- 3.4. pH: 3.0- 4.5
- 3.5. Melting point/range: Not applicable
- 3.6. Boiling point: Not applicable
- 3.7. Bulk density: Not applicable
- 3.8. Solubility: Insoluble

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Not Applicable
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Not Applicable

5. Handling/Storage

- 5.1. Storage: kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.
- 5.2. Handling precaution: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Avoid breathing dust.

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Propylene Glycol Alginate need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Propylene Glycol Alginate is Hazardous in case of ingestion. Slightly hazardous in case of skin contact, eye contact or inhalation.
- 7.2. Contact with eyes: May cause irritation
- 7.3. Contact with skin: May cause irritation, very low chance for usual industrial handling
- 7.4. Ingestion: May cause gastrointestinal tract irritation.
- 7.5. Inhalation: May cause respiratory tract irritation
- 7.6. Other: Avoid build up of dust particles. Possibility of dust explosion.

8. First Aid Measures

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice
- 8.2. Contact with skin: Wash the affected area with water, remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists.
- 8.3. Ingestion: Rinse mouth thoroughly with water and drink water afterwards.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature
- 9.2. Flash point: Not applicable
- 9.3. Ignition control: Avoid ignition sources where Propylene Glycol Alginate dust might be generated
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Water spray, dry chemical, carbon dioxide, or chemical foam
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Propylene Glycol Alginate is fully biodegradable and the products of degradation are more toxic than the product itself.

12. Other Information

- 12.1. This Safety Data Sheet of Propylene Glycol Alginate is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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