

Safety Data Sheet

Section 1: Identification

Product Name: Natural Origins 9-0-0

Product Use: For fertilizer.

Company Identification:

Origination Inc.
1300 McKnight Road North
Maplewood, MN 55119

For information, call: 1-800-625-6079

Emergency Number: 1-800-625-6079

For CHEMTREC assistance, call: 1-800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2: Hazard(s) Identification

Potential Health Effects

Routes of Exposure: Eyes, skin and inhalation.

Eye Contact: Dust or powder may cause eye irritation.

Skin Contact: Dust or powder may irritate skin.

Inhalation: Dust may irritate the nose, throat and upper respiratory tract.

Ingestion: Ingestion in quantities sufficient to produce health effects is not a plausible route of exposure in industrial use.

Reactivity: Product is non-reactive under foreseeable conditions of use.

Flammability: See Section 5 – Fire Fighting Measures.

Corrosive: This product is non-corrosive.

S Phrases(s): None designated.

R Phrase(s): None designated.

Section 3: Composition / Information on Ingredients

Ingredients	% or Range	CAS Number	EINICS Number	Toxicology Data
Corn Gluten Meal	57-13-6	100	266-116-0	LD ₅₀ : No data available LC ₅₀ : No data available

Section 4: First Aid Measures

Eye Contact: Do not rub eyes. Immediately flush eyes with water; remove contact lenses if present, then continue flushing eyes for at least 15 minutes. Seek medical attention if irritation develops and persists.

Skin Irritation: Wash skin with plenty of soap and water. Seek medical attention if irritation develops and persists.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Rinse mouth thoroughly. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious or convulsive person.

Section 5: Fire Fighting Measures

Hazards: High concentrations of product dust may burn explosively if ignited by static charges or other ignition sources. The conditions under which this may occur are not readily predictable. Avoid open flames, electrical arcs, static electricity and/or welding in areas of excessive dust. Ensure that conveying and handling equipment is securely grounded. Fire and explosions may release carbon monoxide, smoke and irritant combustion byproducts.

Extinguishing Media: Water, carbon dioxide or dry chemical.

Fire and Explosion Hazards Data

Flashpoint: No data available.

Auto-Ignition Temperature: 410OC (dust cloud).

Lower Explosive Concentration: No data available.

Upper Explosive Concentration: No data available.

Section 6: Accidental Release Measures

Personal Precautions: Eliminate sources of ignition and static charge. Do not touch damaged containers or spilled material unless wearing appropriate protective gear. Stay upwind.

Environmental Precautions: If safe to do so, prevent further spillage. As a non-hazardous waste, it must be disposed of according to Federal/State/Local regulations.

Clean Up: Shovel spilled material into containers, trying to generate as little dust as possible. Prevent from entering sewers/waterways.

Section 7: Handling and Storage

Handling: Product dust may cause sensitization. May cause temporary eye irritation. Avoid contact with skin, eyes or clothing. Avoid inhaling dust. For good hygiene practice, wear a long-sleeved shirt, long pants, closed footwear and gloves when handling this product.

Storage: Store in a cool, dry location away from fertilizer and other pesticides. Keep away from fire, open flames or other sources of heat.

Section 8: Exposure Controls, Personal Protection

Engineering Controls: The use of this product may generate airborne dust, use appropriate measures such as local exhaust ventilation to maintain air levels within their respective limits.

Respiratory Protection: If any exposure level exceeds a permissible limit, use a respirator appropriate to the concentration and approved/qualified for the application.

Eye Protection: Wear appropriate eye protection such as goggles or glasses if there is the potential for eye contact with the product.

Skin Protection: Skin protection is not normally required. If it is desired, cloth or synthetic gloves are suitable.

Section 9: Physical and Chemical Properties

Appearance: Course yellow solid.

Colour: Yellow to light brown.

Odour: None or faintly cereal like.

Moisture %: 7.0 – 13.0

Packing Density: 7.3 g/cc (44 lbs/ft³)

Water Solubility: Not soluble.

pH Value: No data available.

Odour Threshold: No data available.

Vapour Pressure: No data available.

Minimum Ignition Energy: 10 – 30 mJ

Minimum Auto-Ignition Temperature: < 410°C

Section 10: Stability and Reactivity

Conditions to Avoid: This product is stable under normal conditions of temperature and pressure.

Materials to Avoid: Oxidizing agents.

Decomposition Products: Carbon monoxide, carbon dioxide, irritant gasses and smoke.

Dangerous Polymerization: Will not occur.

Dangerous Reactions: None are known or reasonably foreseeable.

Section 11: Toxicological Information

Health Hazards of Product

Routes of Entry: Inhalation and eye contact. Product is not absorbed through the skin or mucous membranes.

Acute Effects: Inhalation may irritate the nose, throat and respiratory tract. Eye contact may cause mild irritation. Ingestion of quantities sufficient to produce adverse health effects is not a plausible route of exposure. Skin contact is not known to be hazardous.

Chronic Effects: Adverse effects from chronic inhalation or ingestion are not known.

Exposure Limits

ACGIH TLV, as Particulates Not Otherwise Classified: 10 mg/m³ (Inhalable Fraction) 3 mg/m³ (Respirable Fraction)

OSHA PEL, as Particulates Not Otherwise Regulated: 15 mg/m³ (Total Dust) 5 mg/m³ (Respirable Fraction)

Carcinogenicity

IARC: No.

ACGIH: No.

NTP (US): No.

OSHA (US): No.

Reproductive Toxicity: This product is not classified as a reproductive toxin by any authoritative body or regulatory agency.

Section 12: Ecological Information

This product should not be released directly into environmental media. However, it is readily biodegradable in the natural environment.

Section 13: Disposal Considerations (non-mandatory)

Disposal: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Turf-Shark Fertilizer Inc. has no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in SDS Section 3: Composition/Information on Ingredients. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted: reclaimer, landfill or wastewater treatment system.

Section 14: Transport Information

Shipment of this product is not controlled by ICAO, USDOT, Canadian TDG regulations or Mexican NOM-004-SCT-2000 regulations.

Section 15: Regulatory Information

United States

TSCA: All constituents are on EPA's TSCA inventory.

CERCLA: Contains no reportable quantity (RQ) substances per Sections 302/304 of EPA.

SARA: Contains no chemicals subject to the reporting requirements of Section 313 of EPA.

FDA: Classified as Generally Regarded As Safe (GRAS).

Canada

WHMIS Classification(s): Not applicable.

DSL: Corn Gluten Meal is included.

Europe: Exempt from OECD (793/93/EEC) List for Evaluation of High Production Volume (HPV) Chemicals EU EINECS 232-679-6.

Section 16: Additional Information

Prepared by: Origination, Inc.

Prepared: March, 2018

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, 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 Origination 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 Origination has been advised of the possibility of such damages.