



NUTRISPHERE-N FOR LIQUID NITROGEN FERTILIZERS



MATERIAL SAFETY DATA SHEET

Item Name: Specialty Fertilizer Products, LLC,
(SFP®) polymeric material.
Trade Name/Synonyms: NUTRISHPERE-N® (N-N®)
for LIQUID NITROGEN FERTILIZERS
Chemical Family: carboxylated polymer
Company's Name: SFP®
Company's Address: 11550 Ash, Suite 220
Leawood, KS 66211
USA
Telephone Number: 888-446-4769
Date MSDS Prepared: January 16, 2012
DOT information: Shipping Name: Corrosive
Liquid, N.O.S.
Hazard class: 8
UN Number: 1760
Packaging group: PG III

Section 1 Chemical identification.

Partial calcium salt of maleic-itaconic copolymer.

Section 2 Hazards identification.

Irritating to eyes and skin.

In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.

Personal protective clothing code B (goggles/chemical gloves).

HMIS Rating: Health: 2 Fire: 1 Reactivity: 1

Section 3 Composition information

Component name	CAS #	Amount, % w/w
partial calcium salt of maleic-itaconic copolymer	877469-38-0	30 minimum

Section 4 First aid measures.

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In case of contact, immediately wash skin with soap and copious amounts of water. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen.

If swallowed, wash out mouth with water, provided person is conscious. Call a physician.

Wash contaminated clothing before reuse.

Section 5 Fire fighting measures.

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to prevent

contact with skin and eyes.

Unusual fire hazards: may emit toxic fumes under fire conditions.

Section 6 Accidental release measures.

Wear respirator, chemical safety goggles, rubber boots, heavy rubber gloves. Spilled material should be carefully wiped up or washed away with water. Ventilate area and wash spill site after material pickup is complete. Material is slippery and/or sticky when wet and can dry to a slowly soluble slippery film.

Section 7 Handling and storage.

Store in a cool dry place away from direct sunlight. Keep tightly sealed. Clean up spills promptly.

Section 8 Exposure controls and personal protection.

Use chemical safety goggles/face shield (eye irritant).

Use compatible chemical-resistant gloves.

Use appropriate respirator if mist is generated.

Safety shower and eyebath need to be accessible.

Mechanical exhaust is required if using in confined space/area.

Do not inhale.

Prevent contact with eyes, skin, clothing.

Wash hands thoroughly after handling.

Section 9 Physical and chemical properties.

Appearance: light yellow to brown liquid with characteristic light odor.

Physical properties:

pH: 1-2

Flash point: None

Specific gravity: 1.1-1.4

Freezing Point: 25° F

Section 10 Stability/reactivity information.

Stability: stable at room temperature and pressure.

Incompatible with:

Strong oxidizing agents, strong reducing agents, materials incompatible with water, materials incompatible with calcium salts, materials incompatible with carboxylates.

Can react with metals to give off hydrogen, heat and/or steam. Can react with bases and metal oxides with high evolution of heat and/or steam. Can react with carbonates to give off carbon dioxide, heat and/or steam.

Hazardous decomposition products:

It is believed that carbon dioxide and/or monoxide may be generated by high-temperature decomposition.

Hazardous polymerization:

Not possible.

Section 11**Toxicological information.**

Acute effects.

Causes eye and skin irritation. Irritating to mucous membranes and upper respiratory tract. Swallowing can cause gastrointestinal disturbance.

To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated.

Section 12**Ecological data.**

Not available at this time.

Section 13**Disposal considerations.**

Dissolve or mix with water to make a dilute solution and dispose according to all federal, state and local regulations.

Section 14**Transportation information.**

Shipping Name: Corrosive Liquid, N.O.S., Hazard class: 8, UN Number: 1760, Packaging group: PG III

Section 15**Regulatory information.**

Not applicable.

Section 16**Other information.**

Information contained herein is believed to be correct but is not all-inclusive and should be used only as a guide. In no case will we be liable for any damages resulting from handling or contact with this material.