

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

Trade Name: Nutrisphere-N® for Urea
Registration No: None

M77504

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	Specialty Fertilizer Products 134 Cherry Hill Drive Benton, Missouri 64012 USA	Product Name:	Nutrisphere-N® for Urea
Emergency Phone:	1-888-446-4769	Common Name:	Nutrisphere-N® for Urea
		Chemical Type:	Carboxylated Polymer
		Chemtrec:	1-800-424-9300

SECTION 2

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
NONE					

Non Hazardous

This product is a blend of the following non-hazardous ingredients

100%

Maleic-itaconic copolymer, calcium salt, 30-60% w/w solution in water

877469-38-0

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

Inhalation: Exposure may cause mechanical aggravation to respiratory mucous membranes.

Eye Contact: Contact may be irritating to eyes.

Skin Absorption: Not normally absorbed through the skin.

Skin Contact: Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

SECTION 4

FIRST AID MEASURES

Ingestion: If large amount is ingested, wash out mouth with water. Seek medical attention immediately.

Inhalation: Remove to fresh air. Seek medical attention if condition persists.

Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

Skin: Wash with soap and water. Seek medical attention if condition persists.

Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, appropriate foam.

Special Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: May emit toxic fumes under fire conditions.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers.

Steps to be taken in case material is released or spilled: 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 slowly soluble slippery film.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry place away from direct sunlight. Keep tightly sealed. Clean up spills promptly. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Mechanical exhaust is required if using in confined space/area. Do not inhale.

Respiratory Protection: Use appropriate respirator if mist is generated.

Protective Clothing: Use compatible chemical-resistant gloves.

Eye Protection: Use chemical safety goggles/face shield.

Hygiene: Prevent contact with eyes, skin and clothing. Wash hands thoroughly after handling.

Other: Safety shower and eye bath need to be accessible.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Not available
Specific Gravity:	1.1-1.4	Freezing Point:	25 F
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	2.25-2.75	Reaction with Water:	None
Appearance:	light yellow to brown liquid with light odor		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable at room temperature and pressure.
Conditions to Avoid: Extremely high temperatures.
Incompatibility (Material to Avoid): Strong oxidizing agents, strong reducing agents, materials incompatible with water, materials incompatible with calcium salts, and 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: Will not occur

SECTION 11

TOXICOLOGY

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 INFORMATION

None Listed.

SECTION 13

DISPOSAL CONSIDERATIONS

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

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not Regulated	Packaging Group:	None
Hazard Class:	None	C.A.S. Number:	See "Ingredients"
Reportable Quantity (RQ):	None	D.O.T. Number:	None
Labels Required:	None	Haz Waste No:	None
Placard:	None	EPA Regist No:	None

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC? Yes () No (X) by NTP? Yes () No (X)
Not on the 302 list of SARA reportable quantities

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 2 (revision to format)

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