

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: Eco K+®
Registration No: None

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer For: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Eco K+®
Common Name: 1-0-23
Chemical Type: Inorganic Chemical Fertilizer

SECTION 2

COMPOSITION INFORMATION

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

Non-Hazardous

This product is considered non hazardous and does not contain any toxic materials in concentrations subject to reporting requirements of Section 313 or Title III of the Superfund Amendments and Re-Authorization Act of 1986 and 40 CFR Part 372.

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: May result in nausea, vomiting, diarrhea, burning in the mouth and throat, abdominal pain, weakness, hyperglycemia, kidney damage, and esophageal and gastric strictures.

Inhalation: May cause respiratory tract aggravation, nausea, vomiting, weakness, fever, chills and loss of appetite.

Eye Contact: This product may cause discomfort to eyes.

Skin Absorption: None known.

Skin Contact: May cause skin aggravation.

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: DO NOT INDUCE VOMITING. Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs, or vegetable oil. Seek immediate medical attention. Do not give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If breathing is difficult seek medical attention.

Eyes: Immediately flush eyes with running water for at least 15 minutes lifting eyelids to flush. Seek medical attention if condition persists.

Skin: Wash thoroughly with 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: Use media suitable to extinguish source of fire.

Special Fire Fighting Procedures: Product is not combustible.

Unusual Fire and Explosion Hazards: During extremely high temperature fire conditions, this product may decompose to release NH₃, SO_x, PO_x or CN.

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:

Wash with water and follow all applicable federal, state and local regulations. Contact state or local authorities for disposal details.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:

Avoid contact with skin, eyes and clothes. Store in a cool, dry area and keep lid tightly closed when not in use. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Approved respirator when necessary.

Protective Clothing: Normal clean work clothing.

Eye Protection: Safety glasses with side shields or goggles may be necessary.

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SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point:	100° C	Solubility in Water:	Soluble
Density:	Not available	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	7 - 8	Reaction with Water:	None
Appearance:	Dark brown suspension with mild organic odor.	Specific Gravity:	1.43
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10	STABILITY AND REACTIVITY
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Stability (Normal Conditions): Stable
Conditions to Avoid: Extremely high temperatures.
Incompatibility (Material to Avoid): Strong acids and oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.
Hazardous Decomposition Products: Oxides of nitrogen. During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN.
Hazardous Polymerization: Will not occur

SECTION 11	TOXICOLOGY INFORMATION
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None listed.

SECTION 12	ECOLOGICAL INFORMATION
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None listed.

SECTION 13	DISPOSAL CONSIDERATIONS
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Waste Disposal Procedures: Dispose of small amounts with inert resorbant materials and dispose of according to regulations by applying to soil using good agricultural practices and soil management.

SECTION 14	TRANSPORT INFORMATION
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Shipping name:	Not regulated by DOT	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15	REGULATORY INFORMATION
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Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16	OTHER INFORMATION
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Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

NFPA Rating Health: 2 Fire: 0 Reactivity: 0 Specific Hazards: NA
This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association.

MSDS Version Number: 2 (revisions to Section 9)

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