

GRO-Root Xtra MSDS

Section 1 - Chemical product and Company identification

Company: Agrowchem, Inc., 605 Justus Dr., Kingston, Ontario, K7M 4H5, Canada
Tel: 613-384-4957 Chemtrec: 800-424-9300

Product name: GRO-Root Xtra

Product use: Plant growth regulator

Section 2 - Composition/Information on Ingredients

Active ingredient	%	CAS #
Kinetin(Cytokinin)	0.15%	525-79-1
3-Indolebutyric acid (IBA)	0.85%	133-32-4
1-Naphthaneacetic acid (NAA)	0.20%	86-87-3

Inert ingredients 98.8%

Note: This product contains no chemicals known to cause cancer nor birth defects or other reproductive harm (see California State Prop 65 list).

OOSHA PEL: NL

ACGIH TLV: NL

RTECS No: NL

Section 3: Hazards Identification

CERCLA RATINGS (SCALE 0-3)

Light opaque liquid

CERCLA RATINGS (SCALE 0-3)

Health = 1 Fire = 0 Reactivity = 1 Persistence = 0

Physical hazards: None

Health Hazards: Avoid eye and skin contact.

Section 4: Physical properties

Appearance: Light opaque liquid,

Solubility: Completely soluble in water

Boiling point: 212°F (100°C)

Freezing point < 32°F (0°C)

GRO-Root Xtra MSDS

pH: 3.673 (25°C)(0.1% solution)

Density: 1.040 g/ml

Viscosity: 3.28 mm² /second @ 20°C

Vapor pressure: N/D

Melting Point: N/A

Section 5: First Aid Measures

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

If on skin: Immediately wash material off the skin with plenty of soap and water. If unable to wash immediately or tingling, numbness or a burning sensation develops apply skin cream or an oil-based solution to the affected area. If irritation persists, get medical attention.

If swallowed: Provided the patient is conscious, wash out mouth with water. Immediately contact medical personnel or an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water.

If inhaled: Remove victim to fresh air. If not breathing, giving artificial respiration, preferably mouth to mouth. If breathing is labored, give oxygen. Obtain medical attention.

Provide symptomatic/supportive care as necessary.

Section 6: Fire and Explosion data

Extinguishing Media: Use appropriate medium for underlying cause of fire.

Procedures: Wear protective clothing and self-contained breathing apparatus

Unusual fire/Explosion hazards: N/D

Section 7: Toxicological information

Acute Oral toxicity: LD50 >5000 mg/Kg (male and female rats)

Acute Dermal toxicity: LD50 >5000 mg/Kg (male and female rats)

Acute Inhalation toxicity: LD50 > 2.09 mg/L (male and female rats)

Primary Eye Irritation: Mildly irritating (rabbit)

Primary Skin Irritation: Non-irritation (rabbit)

Dermal Sensitization: Not a contact sensitizer

Section 8: Ecological Information

Environmental Fate:

No information found

Section 9: Special protection information

Ventilation: Not required under normal conditions

GRO-Root Xtra MSDS

Respirator: None required under normal conditions. Approved respirator to organic vapors if high concentrations are likely

Skin: Wear rubber or neoprene gloves for transfer operations or where splashing may occur. If irritation occurs, impervious clothing and gloves should be worn.

Eye protection: Chemical goggles or face shield

Other protection: Apron

Section 10: Disposal considerations

Disposal method: Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Section 11: Transport information

DOT Proper shipping name: Not applicable

DOT Hazard class: This solution is not regulated by DOT

Packaging group: Not applicable

Label/Placard required: None

UN/NA No: Not listed

Section 12: Special handling and storage

Storage conditions: Keep container tightly closed when not in use.

Spill or release procedures: Recover product and place in appropriate container for disposal. Avoid raising dust. Ventilate and wash area.

Waste disposal: Dispose of product in accordance with federal, state and local regulations.

Legend

N/A = Not Applicable

N/D = Not Determined

NL = Not listed

The information and recommendations contained herein are based on our best knowledge, Agrowchem, Inc. does not guarantee their accuracy or completeness. No warranty of merchantability or any other warranty, express or implied is made. Agrowchem, Inc. assumes no responsibility for results obtained, or for incidental or consequential damages, arising from the use of this data.

GRO-Root® is a registered trade mark of Agrowchem, Inc.