



SECTION 1 - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product name : X-TREM Ni/Cal Liquid Nitrogen starter with Calcium **MSDS prepared by :** Microbec Laboratories Inc.
Manufacturer : **Supplier :**
 K.I.N.G. Nutrients Global inc.
 865-A blvd. Monseigneur Langlois, Valleyfield, Quebec, J6S 1B8
 Tel : 1.800.663.3429 Fax : 450.373.3518
EMERGENCY PHONE : CANUTEC 613.996.6666

SECTION 2 - MATERIAL IDENTIFICATION AND INFORMATION

CAS#	Chemical Name	Compound name	%	OSHA PEL
7732-18-5	Water / H₂O	Same	60-65%	None Estb.
13477-34-4	Calcium Nitrate	Same	25%	None Estb.
Not listed	Sugar Derivative	Same	5-10%	None Estb.
Not listed	Trace Minerals	Same	<5%	None Estb.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency overview : Prolonged or repeated contact may cause irritation, shortness of breath and sore throat.
Potential chronic health effects : No known significant effects or critical hazards.

SECTION 4 - FIRST AID MEASURES

Skin : Wash affected areas with soap and water.
Eyes : Wash eyes immediately with significant amounts of water.
Inhalation : Remove to fresh air as soon as possible, seek medical assistance if breathing is labored.
Ingestion : Treat symptomatically, get medical attention if vomiting occurs.

SECTION 5 - FIRE FIGHTING MEASURES

May be combustible at high temperature
Flash Points : 200°F (closed up) negligible fire hazard when exposed to heat or flame **LEL :** None established
Means of Extinction : Water only **UEL :** None established
Fire-fighting equipment : Fire-fighters should wear appropriate protective equipment and use self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills and Releases : Small spill : Contain and absorb with dry inert material and place in appropriate waste disposal container.
 Large spill : Dike ahead of spill, absorb with dry inert material and place appropriate waste disposal container.
Waste disposal : Dispose of waste via licensed waste disposal contractor.

SECTION 7 - HANDLING AND STORAGE

Handling and spills procedures : Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray.
Storage procedures : Keep container closed and store in a well-ventilated, cool area.

SECTION 8 - EXPOSURE CONTROL PERSONAL PROTECTION

Engineering measures :	Only use with adequate ventilation and store in well-ventilated area.
Hygiene measures :	Wash hands, forearms and face thoroughly after handling.
Personal protective equip :	Eyes : Do not wear contacts. Safety glasses are recommended.
	Gloves : Recommended latex or butyl.
	Respiratory : Minimum of dust or mist respirator should be worn in areas of mist.
	Clothing : Wear appropriate protective impervious clothing to prevent prolonged skin contact. Exposed clothing should be washed as soon after exposure as possible to prevent additional exposure.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Boiling point :	No date established	Specific Gravity :	1.36
Vapour Pressure :	No date established	Freezing point :	No date established
Solubility in Water :	Soluble at 25°C	Water Pressure :	No date established
Melting Point :	No date established	Evaporation Rate :	No date established
Appearance and Odor :	Dark brown—low viscosity liquid. Moderate soil odor.	PH :	6.38
		Physical state :	Liquid

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability :	Stable under normal conditions
Incomptability :	Strong oxydizers
Reactivity :	Under extreme heat, decomposition may produce oxides and nitrogen.
Conditions to avoid :	High concentrations of residue after evaporation are strong oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute exposure :	May cause irritation of skin, eyes and throat.
Chronic exposure :	May cause dermatitis and conjunctivitis
Skin Sensitization :	Slightly irritating the skin

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic toxicity :	The product is not expected to harm the environment when used properly.
Biodegradability :	The product is absorbed into the soil and plants with no side effects known.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal :	Product is not toxic but care should be taken to dispose of unused and unwanted product in a manner that is in accordance with any existing federal, state or local regulations and should not be poured into ublic sewer systems.
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SECTION 14 - TRANSPORT INFORMATION

DOT Classification :	Not regulated.	TDG Classification :	Not regulated.
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SECTION 15 - REGULATORY INFORMATION

HCS Classification :	Not regulated.	OSHA :	Not regulated.	TSCA :	Not regulated.
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SECTION 16 - OTHER INFORMATION

Date of issu :	May 16, 2012.	Original issu :	November 11, 1991
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