MATERIAL SAFETY DATA SHEET

28-4-16 70% UMAXX®

SECTION 1. Chemical Product and Company Identification

Trade name: **28-4-16 70% UMAXX®**
Grade: Soluble
CAS registry number: n/a
Chemical name: n/a
Synonym: n/a
Product Use: Fertilizer

Manufacturer: NUTRITE, Division of Ferti Technologies Inc
560 chemin Rhéaume
St-Michel (Québec)
CANADA
J0L 2J0

Date of first issue: December 5, 2012
Modification date: December 5, 2012
Responsible: Jérémie Savard
In case of emergency: **CANUTEC: (613) 996-6666**
CHEMTREC: 1-800-424-9300
NUTRITE : (450) 454-1990

SECTION 2. Composition/Information on Ingredients

Hazardous Material:	**CAS number**	**% by weight**	**OSHA Permissible Limit Exposure**
Potassium Nitrate	7757-79-1	15	None for this product

Additional ingredients:	**CAS number**
Urea	57-13-6
UMAXX	
Urea	57-13-6
N-(N-Butyl)-thiophophonic triamide	94317-64-3
Organic nitrogen (Dicyandiamide)	461-58-5
Monoammonium phosphate	7722-76-1
Potassium sulfate	7778-80-5
Chelated micronutrients (Cu, Zn, Mn, Fe)	14025-15-1,14025-21-9, 15375-84-5, 15708-41-5
Borax	1303-96-4
Sodium molybdate	7631-95-0

SECTION 3. Hazards Identification

Emergency overview:	**No significant immediate hazards for emergency responses are known.**
CAUTION:	**Contact with dust may cause discomfort and/or mild irritation to skin, eyes, nose and lungs. Avoid breathing dust.** **Do not ingest. May irritate mouth, stomach, etc.** **Wash thoroughly after handling.**
Physical state (25^0C/77^0F):	**Fine crystals or powder, green, no odour.**

SECTION 4. First Aid Measures

Inhalation:	Bring subject to a well ventilated area. Contact a physician if symptoms persist.
Skin:	Wash with plenty of water.
Eyes:	Flush eyes with large quantities of running water for a minimum of 15 minutes. Remove contact lenses. Rinse the entire surface of the eye and lid with water. Call a physician if eye irritation occurs.
Ingestion:	Harmful if swallowed. Seek medical care. Do not induce vomiting.

SECTION 5. Fire Fighting Measures

Flammability limits in	**Air** (%): n/a **UEL**: n/a **LEL**: n/a
Fire extinguishing media:	Use media appropriate to surrounding fire.
Fire fighting procedures:	Use a stream of water to cool containers and surfaces exposed to fire and to dissipate vapours. Use a self-contained respirator.
Other fire or Explosion Hazards:	Potassium nitrate causes or contributes to the combustion of another material yielding oxygen. Ammonium phosphate may act as fire retardant and may lower the combustion temperature of other material. Toxic gases may be released at elevated temperature.

SECTION 6. Accidental Release Measures

Small release:	Stop leak or spill. Collect for re-use. Contain runoff by diking. Prevent spills from entering water courses, basement or closed area. Wear appropriate personal protective equipment for cleanup.
Release to water:	Reclaim as much product as possible to avoid further contamination.

SECTION 7. Handling and Storage

Handling:	Wear suitable personal protective equipment. Avoid inhalation and prolonged or repeated contact with eyes and skin.
Storage:	Store in a dry, ventilated area, away from food and seed. Keep at ambient temperature. Keep out of reach of children.

SECTION 8. Exposure Controls and Personal Protection

Exposure limits:	n/a
Personal protection:	Skin contact with the product should be prevented with the use of appropriate protective clothing and gloves (nitrile gloves are recommended). Wear safety glasses with side-shields to avoid eye contact.
Respiratory:	If dust is generated, use a NIOSH-approved respiratory mask.
Ventilation:	Provide good ventilation if dusty conditions prevails.

SECTION 9. Physical and Chemical Properties

Physical state:	Solid
Appearance	Fine crystals or powder, green.
Odour:	No odour
Melting point (°C/°F):	**n/a**
Bulk Density:	n/a lbs/ft^3
Solubility:	n/a g/ 100ml of water, at 70 °F (21 °C)
pH:	Acid

SECTION 10. Stability and Reactivity

Under Normal Conditions:	Stable
Under Fire Conditions:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Extreme temperatures
Materials to Avoid:	Strong oxidizing agents, chlorates, hypochlorites
Hazardous Decomposition or Combustion Products:	Cyanuric acid, sulfur oxides, ammonia, nitrogen oxides, carbon oxides

SECTION 11. Toxicological information

Recommended Exposure Limit:	None recommended for this product
Toxicological Data:	None known
Carcinogenicity Data:	Ingredients of this products are not listed as carcinogens by OSHA or NTP and are not rated by IARC or ACGIH.
Reproductive Effects:	No data available
Mutagenicity Data:	No data available
Teratogenicity Data:	No data available
Synergistic Materials:	None known

Effects of exposure when

Inhaled:	Dust is irritating to nose, throat and respiratory tract. May cause coughing or sneezing.
In contact with the skin:	Prolonged and repeated contact may cause mild irritation.
In contact with the eyes:	Dust may cause mild irritation and due to abrasiveness may cause eye damage if untreated.
Ingested:	Ingestion may cause gastrointestinal upset, abdominal pain and diarrhea.
Other health effects:	High concentration of urea in the blood increases the risk of glaucoma.

SECTION 12. Ecological information

May be harmful to aquatic life. In sufficient quantity may deplete oxygen required by aquatic life. May cause eutrophication of ponds and lakes.

Deactivating chemical: None required

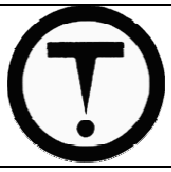
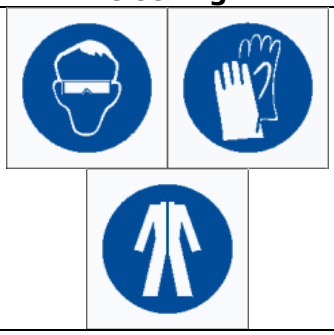
SECTION 13. Disposal considerations

Suitable for use as agricultural/horticultural fertilizer. Consult local authorities. **Do not dispose of waste with normal garbage or into water systems**.

SECTION 14. Transport Information

DOT/TDG Classification Not classified under DOT (USA) and TDG (Canada)

SECTION 15. Regulatory Information

NFPA Classification	DOT/TDG Pictogram	WHMIS Classification	Protective clothing
	Not classified		
Health hazard:1(Slightly hazardous) **Fire hazard**: 0 (Above 93°C/200°F) **Instability hazard**: 1 (May react) **Specific hazard**: None		D2B, Toxic material causing other effects	

SECTION 16. Other Informations

References : Commission de la santé et de la sécurité au travail, http://www.reptox.csst.qc.ca
United States Department of labor, Occupational Safety and Health Administration, http://www.osha.gov/
Report on Carcinogens, Eleventh Edition; U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932
List IARC Carcinogenic Agents 2010, International Agency for Research on Cancer, http://monographs.iarc.fr/ENG/Classification/Listagentsalphorder.pdf

Definitions of abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
DOT	Department of Transportation
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit for Flammable Gases and Vapor
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
TDG	Transport of Dangerous Goods
UEL	Upper Explosive Limit for Flammable Gases and Vapor
WHMIS	Workplace Hazardous Materials Information System

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this document. However, no warranty or representation expressed or implied, is made to the accuracy or completeness of the foregoing data and safety information.

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