

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nitrolizer
Registration Number: 2022710S *Fertilizers Act*
Product Use: Agrochemicals
Manufacturer /Supplier: INTERPROVINCIAL COOPERATIVE LTD.
945 Marion St.
Winnipeg, Manitoba
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www.ipco.ca
Effective Date: 19/08/2019

2: HAZARD IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200:

Serious eye damage Category 1
Reproductive toxicity (unborn child) Category 1B
Skin corrosion/irritation Category 2
STOT (repeated exposure) Category 2
STOT (single exposure) - resp. system Category 3
STOT (single exposure) - central nervous system Category 3
Acute oral toxicity Category 4
Combustible liquid Category 4

Pictograms:



Signal word: Danger!

Hazard statements: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to respiratory tract, central nervous system through single or repeated exposure. Combustible liquid.

Precautionary statement: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surface, sparks, open flames, and other ignition sources. Do not breath mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drinking, or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye and face protection. Use personal protective equipment as required.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep as rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes.

IF exposed or concerned: Call a POISON CENTER or doctor/physician.

IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.

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If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Call a POISON CENTER or doctor/physician.
 Take off contaminated clothing and wash before reuse.
 In case of fire: Use foam, carbon dioxide, dry chemical, and water spray to extinguish. Keep container tightly closed. Keep cool. Store in a well-ventilated place.
 Store locked up. Dispose of contents/container to an approved waste disposal plant.

3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WHMIS Hazard	% (W/W)
PHOSPHOROTHIOIC TRIAMIDE, N-BUTYL-	94317-64-3	Yes	35-70%

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4: FIRST AID MEASURES

If inhaled:	If breathed in, move person into fresh air. If breathing is difficult, give oxygen. If victim has stopped breathing: Administer CPR (cardio-pulmonary resuscitation). Get immediate medical advice/attention.
Skin contact:	In case of contact, immediate flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Seek medical advice. Wash contaminated clothing before re-use.
Eye contact:	Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Seek medical advice.
Ingestion:	Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Keep at rest. Do not give anything to drink. Do not leave the victim unattended. Vomiting may occur spontaneously. Risk of product entering the lungs on vomiting after ingestion. Lay victim on side. Seek medical advice.
Risk:	Skin contact may aggravate existing skin disease. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

Notes to Physician: All treatments should be based on observed signs of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. There is no specific antidote available.

5: FIRE-FIGHTING MEASURES

Flash point:	90 degrees C (194 degrees F). Flammability Class: Will burn. Method Used: TAG Closed Cup.
Suitable extinguishing media:	Extinguishing media – small fires. Dry chemical Carbon dioxide (CO ₂) Extinguishing media – large fires Foam Water spray
Unsuitable extinguishing media:	High volume water jet (Frothing possible)
Specific hazards during firefighting:	Under fire conditions: Will burn. Container may rupture on heating. Highly toxic gases are released. Hazardous decomposition products formed under fire conditions. On combustion or on thermal decomposition (pyrolysis), releases: Nitrogen oxides (NO _x)

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Sulfur oxides
Carbon oxides
Oxides of phosphorus
Ammonia
Hydrogen sulfide

Special protective equipment for firefighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. For further information refer to section 8 Exposure controls/personal protection.”

Environmental precautions: Do not flush into surface water or sanitary sewer system. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Methods for containment: Use only non-sparking tools. Methods for containment Stop leak if safe to do so. Dam up with sand or inert earth (do not use combustible materials). Soak up with inert absorbent material. Shovel or sweep up. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Flush with plenty of water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment, and personal protective equipment in a segregated area. Dispose of in accordance with local regulations.

7: HANDLING AND STORAGE

Handling: Do not use sparking tools. Ensure all equipment is electrically grounded before beginning transfer operations. The product must only be handled by specifically trained employees. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Do not ingest. Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from incompatible materials to be indicated by the manufacturer. Do not mix with incompatible materials (see list, section 10).

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize exposures: Effective exhaust ventilation system.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Hand protection: Recommended preventive skin protection: Gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into account the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of: Safety glasses with side-shields or Face-

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	shield.
Skin and body protection:	Recommended preventive skin protection. Footwear protection against chemicals. Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substances at the work place.
Hygiene measures:	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
Protective measures:	Ensure that eyewash stations and safety showers are close to the workstation location. Emergency equipment immediately accessible, with instructions for use. The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Physical state: Liquid. Color: Green.
Odor:	Characteristic
Odor threshold:	No data available
pH:	8.79
Melting point/range:	No data available
Flash point:	90 degrees C (194 degrees F) TAG closed cup. Flammability class: Will burn
Evaporation rate (butyl acetate = 1):	No data available
Flammability (solid, gas):	No data available
Flammability (liquids):	No data available
Flammability/Explosive limit:	No data available
Autoignition temperature:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	1.08 – 1.20 g/cm ³ (20 C (68 F))
Solubility in water:	Miscible
Coefficient of n-Octanol/water distribution:	No data available
Thermal decomposition:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Other:	This product does not sustain combustion.

10: STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous	Hazardous polymerization does not occur.

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reactions:

Conditions to avoid: Keep away from heat and sources of ignition.

Incompatible Materials: Strong bases
 Strong oxidizing agents
 Strong reducing agents
 Perchloric acid
 Mineral acids
 Organic acids
 Metals in presence of moisture
 Zinc
 Mild steel
 Carbon steel
 Halogenated compounds

Hazardous decomposition products: Carbon oxides
 Sulfur oxides
 Oxides of phosphorus
 Nitrogen oxides (NOx)
 Ammonia
 Formaldehyde
 Phosphine

11: TOXICOLOGICAL INFORMATION

Acute toxicity: Acute oral toxicity: Not classified as harmful if swallowed. According to the data on the components. According to the classification criteria for mixtures.
 Acute inhalation toxicity: Not classified as harmful by inhalation. According to the data on the components. According to the classification criteria for mixtures.
 Acute dermal toxicity: Not classified as harmful by contact with skin. According to the data on the components. According to the classification criteria for mixtures.
 Acute toxicity (other routes of administration): No data available.

Skin corrosion/irritation: Slightly irritating to rabbits on cutaneous application. Data available only for some components. Unpublished reports Active ingredient.

Serious eye damage/irritation: Risk of serious damage to eyes. May cause irreversible eye damage. According to the data on the components. According to the classification criteria for mixtures.

Respiratory or skin sensitization: Not classified as sensitizing by skin contact. According to the data on the components. According to the classification criteria for mixtures.

Mutagenicity: Genotoxicity in vitro: Product is not considered to be genotoxic. According to the data on the components. According to the classification criteria for mixtures.
 Genotoxicity in vivo: Product is not considered to be genotoxic. According to the data on the components. According to the classification criteria for mixtures.

Toxicity for reproduction and development: Fertility study 2 generations. Possible risk of impaired fertility. According to the data on the components. According to the classification criteria for mixtures. STOT-single exposure- No data available. STOT- repeated exposure- No data available.

Experience with human exposure: Symptoms: Nose bleeding. Vomiting.

Aspiration toxicity: No data available

12: ECOLOGICAL INFORMATION

Toxicity: No data available

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Persistence and degradability:	No data available
Bio accumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment:	No data available
Other adverse effects:	No data available

13: DISPOSAL CONSIDERATIONS

Product/Container:	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material. Waste code: EPA: Hazardous waste-NO. Rinse with an appropriate solvent. Dispose of contents/container in accordance with local regulations.
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14: TRANSPORT INFORMATION

General:	DOT: Not regulated. TDG: Not regulated. IMDG Not regulated. IATA No regulated. Note: The above regulatory prescriptions are those valid on the date of publication of this sheet.
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15: REGULATORY INFORMATION

United States TSCA Inventory:	YES (positive listing) On TSCA inventory.
Canadian Domestic Substances List (DSL):	YES (positive listing) All components of this product are on the Canadian DSL.
SARA 311/312 Hazards:	Fire hazard: No Reactivity Hazard: No Sudden Release of Pressure Hazard: No Acute Health Hazard: Yes Chronic Health Hazard: Yes
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 304 Reportable Quantity:	This material does not contain any components with a section 304 EHS RQ.
SARA 302 Reportable Quantity State Regulations California Prop 65:	This material does not contain any components with SARA 302 RQ. WARNING! This product contains a chemical known in the State of California to cause cancer. N-methyl pyrrolidone

16: OTHER INFORMATION

Revision Date:	28/01/2022 (Reason: CFIA Registration)
Notice:	The enclosed information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Interprovincial Cooperative Limited cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

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