



Les Engrais Chaleur Ltée

558 rue de l'industrie, Petit-Rocher, N.B. E8J 1T2

Chaleur Fertilizers Ltd.

Tel: (506) 783-4216

Fax: (506) 783-2237

EMERGENCY TELEPHONE NUMBER**1-800-731-9333 / 1-877-946-9311**

PRODUCT IDENTIFICATION			
Product Name:	Dry Blended Fertilizer		
Chemical Name:	Dry Blended Fertilizer		
Synonyms:	Not applicable		
Chemical Family:	Not applicable		
Molecular Formula:	Not applicable		
Product use:	Fertilizer		
REGULATORY SECTION			
Controlled Products Regulations Classification:	Not regulated		
OSHA Hazard Communication (29CFR 1910.1200) Classification:	Not regulated.		
CANADIAN TDG ACT SHIPPING DESCRIPTION			
Shipping Name:	Dry Fertilizer		
Shipping Class/Divison:	Not regulated		
Product Identification No. (PIN):	Not regulated		
Packing Group:	Not regulated		
U.S. DOT Classification:	Not available		
Other Regulations:	None known		
<i>Read the entire MSDS for the complete hazard evaluation of this product.</i>			
HAZARDOUS INGREDIENTS OF MATERIAL			
Hazardous Ingredients	%	ACCGIH TLV	CAS No.
None according to Controlled Products Regulations			
OTHER INGREDIENTS	%	TLV	CAS No.
Urea	Balance	None Listed	57-13-6
Super Triple Phosphate (or)	Balance	None Listed	None Listed
Monoammonium Phosphate (or)	Balance	None Listed	7722-76-1
Diammonium Phosphate (and)		None Listed	7783-28-0
Muriate of Potash	Balance	None Listed	7447-40-7


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PHYSICAL PROPERTIES

Physical State:	Solid
Appearance and Odor:	Free flowing multicolored granules or prills
Odor Threshold:	Not available
Boiling Range (Deg C):	Not applicable
Melting / Freezing Point (Deg C):	Not applicable
Vapor Pressure:	Not applicable
Specific Gravity:	Not applicable

Vapor Density:	Not applicable
Bulk Density:	50 to 65 lbs/cu. Ft.
Evaporation Rate:	Not applicable
Solubility:	Partially soluble in water
% Volatile by Volume:	Not applicable
pH:	7.0-8.5 (10% in water)
Coefficient of Water/Oil Distribution:	Not available
Sensitivity to Mechanical impact:	None
Rate of Burning:	Not applicable
Explosive Power:	Not applicable
Sensitivity to Static Discharge:	None

REACTIVITY DATA

Stability:	
Under Normal Conditions:	Stable
Under Fire Conditions:	Nonflammable. Decomposes
Hazardous Polymerization:	Will not occur
Conditions to avoid:	None Known
Materials to avoid:	Can react violently with hypochlorites.
Hazardous Decomposition or Combustion Products:	Ammonia, nitrogen oxides and, possibly other irritating gases.

FIRE AND EXPLOSION DATA

Flash Point (Method):	None known
Autoignition Temperature:	None Known
Flammability Limits in Air (%):	UEL: None LEL: None
Fire Extinguishing Media:	Use media spray to cool fire-exposed containers or structures. Use water spray to disperse vapors. Use self-contained breathing apparatus and special protective clothing.
Other Fire or Explosion Hazards:	Toxic gases and vapors may be released.



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PREVENTATIVE MEASURES

Recommendations listed in this section indicate the type of equipment which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control against measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Engineering Controls:	General exhaust is acceptable unless dust levels are excessive.
Respiratory Protection:	A NIOSH/MSHA approved-respirator for dusts, if required.
Skin Protection:	Use gloves and protective clothing made from cotton.
Eye Protection:	Use chemical safety goggles when there is potential for eye contact.
Other Personal Protection Equipment:	Normal "good" industrial hygiene and housekeeping practices.
Storage Temperature (Dec C):	Ambient
Storage Requirements:	Store in cool, dry area and away from water, food and feed.
Other Precautions:	Keep out of reach of children.

ENVIRONMENTAL PROTECTION DATA

Steps to be taken in the event of a spill or leak:	Collect product for re-use or disposal. For release to land, contain storm water runoff by dyking with earth or other barrier; for release to water, utilize damming and / or water diversion to minimize the spread of contamination. Collect contaminated soil and water for treatment and disposal. Notify applicable government authority if release is reportable or could adversely effect the environment.
Environmental Effects:	May be harmful to aquatic life. Biodegrades rapidly in waterways and if in sufficient quantity can deplete the available oxygen required by aquatic life.
Deactivating Chemicals:	Not required
Waste Disposal Methods:	Dispose of waste material at an approved landfill site, in accordance with applicable provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems. May be recovered for use as a fertilizer.



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ADDITIONAL INFORMATION AND SOURCES USED

1. Supplier's Material Safety Data Sheets
2. RTECS – Registry of Toxic Effects of Chemical Substances, on-line search, Canadian Center for Occupational Health and Safety RTECS database, Vol. 1-V, 1985-1986 edition, Doris V. Sweet, Ed., National Institute for Occupational Safety and Health, U.S. Dept. of Health and Human Services, Cincinnati, 1987.
3. Sax, N. Irving, Dangerous Properties of Industrial Materials, 5th ed., Van Nostrand Reinhold Co., New York, 1979.

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Chaleur Fertilizers Ltd. will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on the information contained herein. This Material Safety Data Sheet is valid for three years.

TOXICOLOGICAL AND HEALTH DATA

Recommended Exposure Limit:	None established for this product.
Toxicological Data:	This product has not been tested.
Carcinogenicity Data:	The ingredients of this product, are not listed as carcinogens by NTP, (National Toxicology Program), not regulated as carcinogens by OSHA, (Occupational Safety and Health Administration), and have not been evaluated by IARC, (International Agency for Research on Cancer) or ACGIH, (American Conference of Governmental Industrial Hygienists).
Reproductive Effects:	The ingredients of this product are not reproductive toxins.
Mutagenicity Data:	The ingredients of this product are not mutagenic.
Teratogenicity Data:	The ingredients of this product are not teratogenic.
Synergistic Materials:	None known.



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EFFECTS OF EXPOSURE WHEN:

Inhaled:

Dust is irritating to the nose, throat and respiratory tract, and may cause coughing and sneezing.

In contact with the skin:

Prolonged and repeated contact may cause mild irritation.

In contact with the eyes:

This material is irritating upon contact.

Ingested:

Ingestion of large amounts of dust may cause gastrointestinal upset and abdominal pain.

Other Health Effects:

High blood concentrations of urea increase the risk of glaucoma. Exposures to high doses of urea induce behavioral changes in animals, while chronic exposures to high doses cause lymphoma, including Hodgkin disease in animals.

FIRST AID PROCEDURES WHEN:

Inhaled:

Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical advice immediately.

In contact with the skin:

Remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation persists, obtain medical advice.

In contact with the eyes:

Immediately flush eyes thoroughly for 5 minutes with running water. Hold eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention.

Ingested:

If victim is alert and not convulsing, give ½ to 1 glass of water to dilute material. DO NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits, rinse mouth and administer more water. Obtain medical attention IMMEDIATELY.

Emergency Medical Care:

Treat symptomatically.