

----- MATERIAL SAFETY DATA SHEET -----

Chisso-Asahi

NUTRICOTE 18-6-8 CONTROLLED RELEASE FERTILIZER  
WITH MICRONUTRIENTS

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PRODUCT INFORMATION  
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PRODUCT IDENTIFIER: Nutricote 18-6-8 Controlled Release Fertilizer with micronutrients  
MANUFACTURER: CHISSO - ASAHI FERTILIZER CO., TOKYO, JAPAN  
EMERGENCY PHONE NO.: 1-613-996-6666  
PRODUCT USE: Controlled release fertilizer for plants

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HAZARDOUS INGREDIENTS  
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Hazardous Ingredients	C.A.S./N.A./UN No	%	LD50
Potassium Nitrate	CAS 7757-79-1	19.1	ND
Ammonium Nitrate	CAS 6482-52-2	43.2	4820mg/kg
Resin coating		8-12	

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PHYSICAL DATA  
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PHYSICAL STATE: Solid  
ODOUR THRESHOLD: NA  
VAPOUR PRESSURE: ND  
EVAPORATION RATE: ND  
FREEZING POINT: NA  
ODOUR AND APPEARANCE: Grey prills  
SPECIFIC GRAVITY (H2O = 1): 1.8  
VAPOUR DENSITY: ND  
BOILING POINT: NA  
DENSITY: 1g/ml

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FIRE AND EXPLOSION HAZARD  
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FLAMMABILITY: Non-Flammable  
MEANS OF EXTINCTION: Use flooding quantities of water. Do not use water jet. Wear SCBA and full protective clothing. This material is an oxidizer and therefore increases the intensity of any fire.  
FLASHPOINT: NA  
UEL: NA  
LEL: NA  
AUTO-IGNITION TEMPERATURE: ND  
TDG FLAMMABILITY CLASS: Non-Flammable  
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of NOx emitted when heated to decomposition.

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REACTIVITY DATA  
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CHEMICAL STABILITY: Stable  
INCOMPATIBILITY: Reducing agents, organics  
CONDITIONS OF REACTIVITY: Moist, wet conditions or fire  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nitrogen, heat.

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TOXICOLOGICAL PROPERTIES  
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ROUTE OF ENTRY/EFFECTS OF ACUTE OR CHRONIC EXPOSURE:  
SKIN CONTACT: No known effects  
SKIN ABSORPTION: Not known to be absorbed through the skin.  
EYE CONTACT: No known effects  
INHALATION: Very low vapor activity. If heated could release oxides of Nitrogen which can be toxic by inhalation.  
INGESTION: Excessive ingestion must occur before any health hazard results. Effects of overexposure may include nausea, vomiting, diarrhea, weakness or convulsions.  
EXPOSURE LIMITS: ND  
SYNERGISTIC PRODUCTS: ND  
SENSITIZATION/IRRITANCY: Non-irritating  
CARCINOGENICITY/TERATOGENICITY/MUTAGENICITY/REPRODUCTIVE EFFECTS: None known

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PREVENTIVE MEASURES  
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PERSONAL PROTECTIVE EQUIPMENT:  
RESPIRATORY: None needed under normal use conditions.  
EYES: None needed  
GLOVES: None needed  
ENGINEERING CONTROLS: None needed  
SPILL PROCEDURE: Sweep up and apply as fertilizer  
DISPOSAL: Dispose of in non crop areas away from waterways, in accordance with federal and local regulations.  
HANDLING PROCEDURES AND EQUIPMENT: No special handling procedures required.  
STORAGE REQUIREMENTS: Keep out of reach of children. Store in a dry place. Provide adequate ventilation.  
SHIPPING INFORMATION:  
SHIPPING NAME: Ammonium nitrate mixed fertilizers  
UN NUMBER: 2069  
PLACARD: 5 Oxidizer

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FIRST AID MEASURES  
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SKIN: Wash with soap and water.  
EYES: Flush immediately with large amount of water.  
INHALATION: If fumes are inhaled from heated fertilizer and breathing has stopped begin artificial respiration. If breathing is laboured give oxygen. Seek medical attention.  
INGESTION: For large amounts seek medical attention immediately. Induce vomiting if patient is conscious.

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ADDITIONAL INFORMATION  
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PREPARATION INFORMATION  
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DEPARTMENT: TECHNICAL  
PHONE NO.: 1-416-793-7000  
DATE: March 20, 1989  
ND - NOT DETERMINED  
NA - NOT APPLICABLE

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COMPAS Code: 11690080