



ARCTIC GRO 22-4-4

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300

SAFETY DATA SHEET
REVISED: May 21, 2015

Section 1: Identification

Product Name: ARCTIC GRO 22-4-4 FERTILIZER
Other means of identification: FERTILIZER, INORGANIC FERTILIZER, 22-4-4
Product type: FERTILIZER, INORGANIC FERTILIZER, 22-4-4
Recommended Uses: LAWN AND GARDEN FERTILIZING
Supplier's details: Alaska Garden & Pet Supply, Inc.
Street Address: 114 North Orca
City, State: Anchorage, Alaska
Postal Code: 99501
Country: United States
Telephone Number: 907-279-4519
Fax Number: 907-276-7416
Emergency telephone number: **Chemtrec: 1-800-424-9300**

Section 2: Hazard(s) Identification GHS: 4=least, 3=slight, 2=high, 1=severe

Hazard classification of the chemical: 4
Signal word: N/A
Hazard statement(s):

A REVIEW OF THE INGREDIENT SALTS INDICATES THAT INGESTION MAY CAUSE DIARRHEA, PURGING, AND FLATULENCE. NAUSEA AND VOMITING COULD BE EXPECTED UPON LARGE DOSE INGESTION. THE ACUTE INGESTIVE EFFECTS ARE DESCRIBED AS NAUSEA, CHILLS, AND DIARRHEA. EYE OR SKIN CONTACT WITH THESE PRODUCTS COULD CAUSE IRRITATION (PARTICULARLY IN SENSITIVE PERSONS) AND RESPIRATORY IRRITATION COULD BE EXPECTED FROM THE UNPROTECTED BREATHING OF FERTILIZER DUST. PRODUCT USERS SHOULD AVOID PROLONG OR REPEATED SKIN CONTACT, AND THEY SHOULD USE EYE PROTECTION WHEN REQUIRED BY CONDITIONS OF USE. PRODUCT USERS SHOULD WASH THOROUGHLY AFTER USING OR HANDLING THESE FERTILIZERS. SINCE CHILDREN COULD RECEIVE TOXIC INGESTIVE DOSES OF FERTILIZER, THESE PRODUCTS SHOULD BE STORED IN A SECURE PLACE WHERE CHILDREN CANNOT GET AT THEM.

Pictograms: N/A
Precautionary statement(s): Call a physician immediately in all cases of suspected poisoning.
Description of any hazards not otherwise classified: N/A

Section 3: Composition/Information on Ingredients

Chemical name: 22% TOTAL NITROGEN USING UREA (46-0-0)
4% TOTAL PHOSPHOROUS USING MONOAMMONIUM PHOSPHATE (11-52-0) 4%
TOTAL POTASSIUM USING POTASSIUM CHLORIDE / MURIATE OF POTASH
70% LIME (CALCIUM CARBONATE), AND FERTILIZER SALTS
TRACE INERT INGREDIENTS / IMPURITIES TLV
=10MG/M³ NUISANCE DUST
Common name and synonyms 22-4-4

Section 4: First Aid Measures

Eye contact: FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES UNTIL IRRITATION SUBSIDES.
Inhalation: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION.
Skin contact: WASH FROM SKIN WITH SOAP AND WATER.
Ingestion: WATER OR MILK. IF NECESSARY INDUCE VOMITING ONLY WHEN VICTIM IS CONSCIOUS.

Important Symptoms/Effects, Acute, and Delayed

Potential acute health effects:

CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. NONE KNOWN. PRE-EXISTING RESPIRATORY CONDITIONS AGGRAVATED BY EXPOSURE TO DUSTS.

Section 5: Fire-Fighting Measures

Extinguishing media:	Not Considered to be a Fire Hazard
Special fire fighting procedures:	Determine by surrounding Fire, not considered a combustible.
Unusual fire/Explosive hazards:	N/A
Hazardous decomposition:	Sweep up and/or shovel into closed containers for recovery, reuse or disposal.

Section 6: Accidental Release Measures- Personal precautions, Protective Equipment and Emergency Procedures

Non-Emergency personnel:	N/A
Emergency responders:	Avoid breathing dusts.
Environmental precautions:	Keep spills and cleaning runoff out of sewers and open bodies of water.
Methods and Material for Containment:	Sweep up and/or shovel into closed containers for recovery, reuse or disposal.

Section 7: Handling and Storage - Precautions for Safe Handling

Protective measures:	Wash hands and remove clothing and PPE and clean
Advice on general occupational :	Wear protective clothing, gloves, safety goggles
Hygiene:	Wash thoroughly
Conditions for safe storage:	Store in a cool dry place away from other sources of high heat. Protect bags or other containers from damage. Keep bag closed when not in use.

Section 8: Exposure Controls and Personal Protection

Occupational Exposure Limits:	Wear protective clothing, gloves, safety goggles
Appropriate engineering controls	Ventilation System is recommended
Hygiene Measures:	Wash thoroughly
Eye/Face Protection:	wear protective safety goggles
Hand Protection	wear gloves
Body Protection	wear protective clothing, long sleeved shirts and pants
Other Skin Protection	N/A
Respiratory Protection	Use a Niosh Approved Particulate respirator if irrespirable dust generation occurs
Personal Protective Equipment	Wear protective clothing, gloves, safety goggles

Section 9: Physical and Chemical Properties

Appearance of Physical state:	multi-colored, white, green and red granular powders
Color:	white, green and red granular powders
Odor:	odorless
Odor Threshold:	N/A
Specific gravity::	>1
Relative density:	61.58 LBS/FT ³

Section 10: Stability and Reactivity

Chemical stability:	Stable under ordinary conditions
Possibility of hazardous reactions:	Urea may decompose to release cyan uric acid, ammonia, hcn
Conditions to avoid:	excessive heat and moisture
Incompatible materials:	avoid contact with strong oxidizing agents
Hazardous decomposition:	Urea may decompose to release cyan uric acid, ammonia, hcn

Section 11: Toxicology Information (GHS)

Routes of Exposure

Inhalation:	4
Ingestion:	4

Skin	4
Eye contact:	4
<u>Exposure</u>	
Delayed	4
Immediate:	4
<u>Chronic Effects</u>	
Short term exposure	4
Long term exposure	4
<u>Numerical Measures of Toxicity</u>	
Acute toxicity estimates (Median Lethal Dose)	none listed
Description of the symptoms:	none listed
Carcinogenicity:	N/A

Section 12: Ecological Information

N/A

Section 13: Disposal Considerations

N/A for disposal, follow federal, state, and local regulations

Section 14: Transport Information

N/A not regulated

Section 15: Regulatory Information

N/A

Section 16: Other Information

N/A

History

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Prepared by:	Alaska Garden & Pet Supply, Inc.

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