

# MATERIAL SAFETY DATA SHEET

**CHEMICAL PRODUCT**

Product name: Gallery® 38 with Plant Food  
Common Name: Pre-Emergence weed & grass control with Plant Food  
UN/MA #: N/A DOT Hazard Class: N/A  
Shipping Name: Granular Fertilizer

**COMPOSITION/INFORMATION ON INGREDIENTS**

Exposure Limits .....  
Material – Formula – Cas. No. -- % Wt. – Osha-Pel – Acgih-TLV \*SEE ADDENDUM I

**PHYSICAL DATA**

Density ..... 40-70 lb. / ft. 3  
Boiling Point..... N/A  
Melting Point..... 349 to 354°F  
Vapor Pressure ..... N/A PH..... 6.5-7 Vapor Density ..... N/A  
Solubility in Water ..... Not soluble water  
Appearance and Odor ..... Light tan granular material with strong amaraic odor

**FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method)..... N/A  
NFPA Rating ..... Health 2 ♦ Fire 2 ♦ Reactivity 0 ♦ Special Hazard 0  
Flammable Limits (Lel) .... 0.030 oz/cu ft. (Uel)..... N/A  
Extinguishing Media ..... Water, carbon dioxide or dry chemicals

**SPECIAL FIRE FIGHTING PROCEDURES:** Will emit toxic fumes as it burns wear full protective clothing and use self-contained breathing apparatus non-essential personnel should be restricted from area of intense smoke keep containers cooled with water spray.

This information is taken from sources or based upon data believed to be reliable: However, Knox Fertilizer Company, Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing, or that additional or other measures may not be required under particular conditions.

**REACTIVITY DATA**

Stability ..... This is stable material  
Conditions to avoid..... Do not store near heat or flame. Store in cool dry place.  
Incompatibility ..... None.  
Hazardous Decompositions  
Products..... Will emit toxic vapors as it burns.  
Hazardous Polymerization..... Will not occur.

**SPILL OR LEAK PROCEDURES:**

Steps to be taken in case material is released: In case of release to the environment, report spills to the National Response Center **1-800-424-8802**.

Suggested Local Action: Contain spill. Contain material and dispose of waste by using according to label directions or dispose of material and unusable containers according to federal and state requirements. Do not contaminate any body of water.

Waste Disposal Method: (EPA Waste Identification No.: N/A) If contaminated with other materials, the nature and extent of contamination may require the use of specialized disposal methods. If disposal is necessary, comply with all local, state, and federal regulations. Contact your local EPA office for information.

**For Hazardous Waste Regulation, call 1-800-424-9346 – the RCR A Hotline.**

**HEALTH HAZARD INFORMATION**

**EFFECTS OF OVER-EXPOSURE:** Indicated below are for the unimpregnated fertilizer. Except under conditions of severe over-exposure, this fertilizer compound is regarded to have a relatively low acute health hazard potential.

**INHALATION:** Extremely high concentrations of fertilizer dust are typically self-limited due to the nuisance conditions they create. Over-exposure may produce irritation of the mucous membranes, nose, throat, coughing, and shortness of breath. In addition, certain carries may contain small amount of silica particles less than 5 mm in diameter. These silica particles are capable of causing silicosis if inhaled in high enough concentrations over an extended period of time. The principal manifestation of silicosis is difficulty in breathing. This condition can progress to dry cough, shortness of breath on exertion, decreased lung function, and pulmonary fibrosis.

**SKIN CONTACT:** May cause irritation, particular on damp skin. Repeated or prolonged contact could lead to dermatitis.

**EYE CONTACT:** May cause irritation and conjunctivitis.

**INGESTION:** May produce nausea, vomiting, abdominal discomfort; if swallowed in very large amounts, may cause increased urination and central nervous system depression.

**EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove from exposure. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Immediately seek medical aid.

**SKIN CONTACT:** Wash skin thoroughly with soap and water. Seek medical aid.

**EYES CONTACT:** Flush immediately with large amounts of water, lifting the lower and upper lids occasionally. Seek medical aid.

**INGESTION:** Do not induce vomiting. Call physician or Poison Control Center if available administer activated charcoal (6-8 heaping teaspoon) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility.

**VIII. SPECIAL PROTECTION INFORMATION:**

**RESPIRATORY:** Appropriate respiratory protection depends on type and magnitude of exposure. To avoid inhalation use respiratory approved by NIOSH/MSHA for protection against pesticides.

**SKIN:** Clean, body-covering clothing should be worn to prevent irritation in situations where direct contact with product may occur.

**EYES:** Employees should be required to wear safety glasses in situations where direct contact with the product may result in eye injury.

**VENTILATION:** Local external ventilation should be used to control worker exposure to below recommended Permissible Exposure Levels (PEL).

**OTHER PROTECTIVE EQUIPMENT:** Emergency eye wash stations and deluge safety showers should be available in work area.

**IX. SPECIAL PRECAUTIONS**

**PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. **DO NOT** Store near food or feed. Keep out of reach of children and pets.

**OTHER COMMENTS:** Chronic Effects-Long term exposure to dusts containing fluoride or quartz may produce more severe toxicity. Fluoride of the teeth changes in the kidneys, bones, and ligaments, and inhibition of certain enzymes. Chronic exposure and/or high levels of inorganic fluorides administered to experimental animals have been shown to produce changes in several organs and certain enzymes. Adverse reproductive effects have also been suggested. Of the available animal carcinogenicity data, a single inadequately reported study has provided some evidence of the carcinogenicity of sodium fluoride to mice (IARC27,237,82). Quartz dust may produce nodules in the lungs which, may gradually progress to the formation of fibrous tissue. Symptoms may include coughing, shortness of breath, and wheezing.

**ADDENDUM I**

Product Name ..... Gallery® 38 with Plant Food Exposure Limits... See below	MSDS .... 62719-178-8378
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**II. INGREDIENTS AND RECOMMENDED OCCUPATION EXPOSURE LIMITS**

NOTE: Consult the guaranteed analysis statement on the above product container to determine which below materials are found in that product.

MATERIALS	FORMULA	CAS. #	% WT.	OSHA-PEL	ACGIH-TLV
N-(3-(1-Ethyl-1-Methylpropyl)-5-Isoxazolyl)-2,6					
Dimethoxybensamide and isomers (Isoxaben)		82258-53-7	38%	5mg.m <sup>3</sup>	5mg.m <sup>3</sup>
Urea	N2H4CO	57-13-6	0-75	NE	NE
Diammonium Phosphate	N2H9PO4	7783-28-0	0-40	50ppm(as NH3)	50ppm(as NH3)
Potassium Chloride	KCL	7747-40-7	0-70	NE	NE
Limestone	CaCO3	1317-65-3	0-50	NE	NE
Dolomitic Limestone	CaCO3(+MgCO3)	16389-88-1	0-40	NE	NE
Ammonium Sulfate	N2H8SO4	7783-20-2	0-75	50ppm(as NH3)	50ppm(as NH3)
Potassium Sulfate	K2SO4	7778-80-5	0-20	NE	NE
Super Phosphate	CaH4PSO8	7758-23-8	0-10	NE	NE
Corncob (Pulverized)	--	NE	0-60	NE	NE
Calcium Lignosulfonate	--	68131-31-7	0-01	NE	NE
Mineral Oil	--	NE	0-01	NE	NE
Sulfur	S	7704-34-9	0-20	NE	NE
Conditioners, Impurities	--	NE	0-01	NE	NE
Sulfur Coated Urea	NA	NE	0-25	NE	NE
Urea Formaldehyde	NA	9011-05-6	0-25	NE	NE
Muriate of Potash	N2O4	10544-72-6	0-25	5ppm	5ppm
Nutrlene	NA	NE	0-25	NE	NE

The following dust limits apply:

CLASS	OSHA-PEL	SCGIH-TLV
Total Dust (In Air)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Respirable Dust (In Air)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>