# **Dow AgroSciences**

1.

2.

Kaolin

standard.

3.

injury.

### GALLERY\* 75 DRY FLOWABLE HERBICIDE

PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Gallery\* 75 Dry Flowable Herbicide

Emergency Phone: 800-992-5994 **Dow AgroSciences LLC** Indianapolis, IN 46268

Effective Date: 8/25/00 Product Code: 20116 MSDS: 003994

**INGESTION:** Single dose oral toxicity is extremely low. The oral LD<sub>50</sub> for rats is >5000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

**INHALATION:** Single exposure to dust is not likely to be

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS:

Contains component(s), which, in animals, have been shown to cause liver and kidney effects. Repeated excessive exposure to crystalline silica may cause silicosis, a progressive and disabling disease of the lungs. Some evidence suggests that kidney effects may result from

**CANCER INFORMATION:** This mixture contains a component which, is listed as a carcinogen for hazard communication purposes under OSHA Standard 29 CFR 1910.1200. Component listed by IARC and NTP is crystalline silica. An increase in non-malignant liver tumors was observed with isoxaben in one of two species tested.

TERATOLOGY (BIRTH DEFECTS): Isoxaben caused birth defects in laboratory animals only at doses toxic to the

**REPRODUCTIVE EFFECTS:** Isoxaben has been shown to interfere with reproduction in animal studies.

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN: Wash off in flowing water or shower.

**INGESTION:** No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

**INHALATION:** Remove individual to fresh air if effects

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

**COMPANY IDENTIFICATION:** Dow AgroSciences 9330 Zionsville Road hazardous. Indianapolis, IN 46268-1189 **COMPOSITION/INFORMATION ON INGREDIENTS:** Isoxaben: N-(3-(1-ethyl-CAS# 082558-50-7 75% 1-methylpropyl)-5-isoxazolyl)-2,6-dimethoxybenzamide and isomers (Isoxaben) excessive exposure also. Inert ingredients, total, including: 25% CAS# 001332-58-7 Crystalline silica (in Kaolin) CAS# 014808-60-7 This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this HAZARDOUS IDENTIFICATIONS: mother. **EMERGENCY OVERVIEW** Hazardous Chemical. Light tan water dispersible granule, mild aromatic odor. May cause moderate eye irritation 4. FIRST AID: with slight transient corneal injury. Prolonged or repeated exposure may cause slight skin irritation. LD<sub>50</sub> for skin absorption in rabbits is >5000 mg/kg. The oral LD<sub>50</sub> for rats is >5000 mg/kg. EMERGENCY PHONE NUMBER: 800-992-5994 **POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner. EYE: May cause moderate eye irritation, which may be occur. Consult a physician. slow to heal. May cause slight transient (temporary) corneal SKIN: Prolonged or repeated exposure may cause slight skin irritation. A single prolonged exposure is not likely to result in the material being absorbed in harmful amounts. The LD<sub>50</sub> for skin absorption in rabbits is >5000 mg/kg. \*Trademark of Dow AgroSciences 1

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5. FIRE FIGHTING MEASURES:	Silica, crystalline: ACGIH TLV and OSHA PEL are 0.05
FLASH POINT: Not applicable METHOD USED: Not applicable	$mg/M^{3}$ (respirable) for quartz, tripoli, and fused silica; 0.05 $mg/M^{3}$ (respirable) for cristobalite and tridymite. OSHA PEL is 10/%SiO2 + 2 mg/M <sup>3</sup> (respirable) for quartz, tripoli, and fused silica; 1/2 the value calculated from the respirable
	dust formula for quartz for cristobalite and tridymite.
LFL: 0.665 oz/cu ft UFL: Not applicable	PELs are in accord with those recommended by OSHA, as in the 1989 revision of PELs.
<b>AUTO-IGNITION TEMPERATURE</b> : 778°F to 788°F, (415°C to 420°C)	ENGINEERING CONTROLS: Provide general and/or local
<b>EXTINGUISHING MEDIA</b> : Use water, CO <sub>2</sub> or dry chemicals.	exhaust ventilation to control airborne levels below the exposure guidelines.
<b>FIRE AND EXPLOSION HAZARDS</b> : Will emit toxic vapors as it burns.	RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS:
<b>FIRE-FIGHTING EQUIPMENT</b> : Wear full protective clothing and use positive-pressure, self-contained breathing apparatus.	<b>RESPIRATORY PROTECTION</b> : Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for certain operations, use
6. ACCIDENTAL RELEASE MEASURES:	a NIOSH approved air-purifying respirator. In dusty atmospheres, use a NIOSH approved dust respirator.
ACTION TO TAKE FOR SPILLS: Contain and sweep up material of small spills and dispose as waste. Report large spills to Dow AgroSciences at 800-992-5994. Prevent runoff.	SKIN PROTECTION: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.
7. HANDLING AND STORAGE:	EYE PROTECTION: Use chemical goggles.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND</b> <b>STORAGE</b> : Keep out of reach of children. Causes eye irritation. Harmful if inhaled. Avoid ingestion, breathing dust or spray mist, and contact with skin, eyes, or clothing. Store	APPLICATORS AND ALL OTHER HANDLERS: Refer to the product label for personal protective clothing and equipment.
in original container. Do not store in direct sunlight. Do not store at temperatures above 120°F. Users should wash	9. PHYSICAL AND CHEMICAL PROPERTIES:
hands before eating, drinking, chewing gum, using tobacco, or using the toilet.	BOILING POINT: Not applicable VAPOR PRESSURE: Not applicable
8. EXPOSURE CONTROLS/PERSONAL PROTECTION:	VAPOR DENSITY: Not applicable SOLUBILITY IN WATER: Disperses in water
These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.	SPECIFIC GRAVITY: Not applicable APPEARANCE: Light tan water dispersible granule ODOR: Mild aromatic odor pH: (aqueous 50/50) 8.5 to 10.0
<b>EXPOSURE GUIDELINE(S):</b> Kaolinite: ACGIH TLV is 2 mg/M <sup>3</sup> respirable, A4, for Kaolin. OSHA PEL is 10 mg/M <sup>3</sup> total dust, 5 mg/M <sup>3</sup> respirable for Kaolin.	pri. (aqueous 50/50) 0.5 to 10.0

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10. STABILITY AND REACTIVITY:	15. REGULATORY INFORMATION:
<b>STABILITY: (CONDITIONS TO AVOID)</b> Do not store near heat or flame. Do not store in direct sunlight. Do not store at temperatures above 120°F.	<b>NOTICE:</b> The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may
<b>INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)</b> None known.	differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with
HAZARDOUS DECOMPOSITION PRODUCTS: Will emit toxic vapors as it burns.	federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.
HAZARDOUS POLYMERIZATION: Not known to occur.	U.S. REGULATIONS
11. TOXICOLOGICAL INFORMATION:	
<b>MUTAGENICITY</b> : In-vitro and animal mutagenicity studies were negative.	<b>SARA 313 INFORMATION</b> : To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.
12. ECOLOGICAL INFORMATION:	
<b>ENVIRONMENTAL DATA</b> : Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift may result in reduced germination or emergence of non-target plants adjacent to treated area.	SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
13. DISPOSAL CONSIDERATIONS:	An immediate health hazard A delayed health effect
<b>DISPOSAL METHOD</b> : Do not contaminate food, feed, or water by storage or disposal. Wastes are toxic. Improper disposal is a violation of federal law. If wastes resulting from the use of this product cannot be disposed of according to label instructions, dispose of these wastes at an approved facility. Contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.	<ul> <li>TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.</li> <li>STATE RIGHT-TO-KNOW: The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.</li> </ul>
14. TRANSPORT INFORMATION:	CHEMICAL NAME CAS NUMBER LIST
For DOT regulatory information, if required, consult transportation regulations, product-shipping papers, or contact your Dow AgroSciences representative.	Kaolin001332-58-7PA1Silica - crystalline, quartz014808-60-7NJ3 PA1
	NJ3=New Jersey Workplace Hazardous Substance (present at > or = to 1.0%). PA1=Pennsylvania Hazardous Substance (present at > or = to 1.0%).



## **GALLERY\* 75 DRY FLOWABLE HERBICIDE**

#### OSHA HAZARD COMMUNICATION STANDARD: This

product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

CATEGORY RATING

Health2Flammability2Reactivity0

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND): To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

#### 16. OTHER INFORMATION:

MSDS STATUS: Revised Sections 6 & 8

Reference: DR-0324-6740 Replaces MSDS Dated: 10/06/98 Document Code: D03-081-002 Replaces Document Code: D03-081-001

The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult Dow AgroSciences for Further Information.

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