

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
P.O.Box 13528,
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(919) 547-2000

EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP

CHEMTREC: 1 (800) 424-9300

Product No.: 579658

Pursuit® DG herbicide

Date Prepared: 7/24/2000 Date Revised: 6/6/2002

SECTION I

Trade Name: Pursuit® DG herbicide	
Chemical Name: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imadazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid	
Synonyms: imazethapyr; AC 263,499, BAS 685 H	Formula: C15 H19 N3 O3
Chemical Family: imidazolinone	Mol Wt: 289.300

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
imazethapyr	81335-77-5	70.00	10 mg/m3 TWA BASF recommended (3 mg/m3 respirable dust)
inerts	N/A	30.00	None established

This formulation contains clay. Clay may contain more than 0.1% crystalline silica.

SARA Title III Section 313: Not listed

SECTION III - PHYSICAL DATA

BOILING/MELTING POINT@760mm Hg: N/D	pH: 3 - 3.5 (2% dispersion)
VAPOR PRESSURE mmHg @ 20°C: N/D	
SPECIFIC GRAVITY OR BULK DENSITY:	35 - 39 lb/ft(3)
SOLUBILITY IN WATER: Disperses	
APPEARANCE: tan granule	ODOR: rubbery INTENSITY: faint

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N/D	AUTOIGNITION TEMP: N/D
FLAMMABILITY LIMITS IN AIR (% BY VOL):	LOWER: N/D UPPER: N/D
NFPA 704 HAZARD CODES	
HEALTH: N/R	FLAMMABLE: 3* INSTABILITY: 0 OTHER: N/R
NFPA 30 STORAGE CLASSIFICATION: N/R	
EXTINGUISHING MEDIUM	Use water fog, foam, CO(2), or dry chemical extinguishing media.
SPECIAL FIREFIGHTING PROCEDURES	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.
UNUSUAL FIRE EXPLOSION HAZARDS	*Organic dusts may form explosive dust air mixture. Class St-1 dust.

SELECT ACRONYM KEY

N/A - Not available; N/D - Not determined; N/R - Not rated; N/E - Not established

SECTION V - HEALTH DATA**TOXICOLOGICAL TEST DATA:**

Data for the formulated product:

Rat, Oral LD50 (combined sexes) > 5000 mg/kg

Rabbit, Dermal LD50 (combined sexes) > 2000 mg/kg

Rat, Inhalation LC50 (4 hr, actual) > 6.8 mg/L

Rat, Inhalation LC50 (1 hr calculated) > 27.2 mg/L

Rabbit, Eye Irritation - Moderately irritating; recovery by day 14

Rabbit, Skin Irritation - Slightly irritating, recovery within 72 hr.

Guinea pig, Dermal Sensitizer - not a skin sensitizer

OSHA, NTP, or IARC Carcinogen: See EFFECTS OF OVEREXPOSURE.**EFFECTS OF OVEREXPOSURE:****See Product Label and Directions For Use for additional precautionary statements.**

WARNING! KEEP OUT OF REACH OF CHILDREN

CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.

HARMFUL IF ABSORBED THROUGH SKIN.

AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

AVOID BREATHING DUST.

This formulation contains clay. Clay may contain more than 0.1% crystalline silica.

Overexposure to crystalline silica results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses. The International Academy for Research on Cancer (IARC) has classified crystalline silica in Group 1 (those agents with evidence of carcinogenicity to humans).

Existing medical conditions aggravated by this product: None known

FIRST AID PROCEDURES

- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
- If inhaled:** Move to fresh air. Aid in breathing if necessary, and get immediate medical attention.
- Note to physician:** There is no specific antidote for exposure to this material. Treatment of overexposure should be directed at the control of symptoms and the clinical conditions.
- Note:** Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION VI - REACTIVITY DATA**STABILITY:** Stable.**CONDITIONS TO AVOID:** Store in original container in cool, dry, well ventilated place away from ignition sources, heat or flame.**CHEMICAL INCOMPATIBILITY:** Oxidizing agents, unlined steel, aluminum**HAZARDOUS DECOMPOSITION PRODUCTS:** Including but not limited to oxides of carbon and nitrogen.**HAZARDOUS POLYMERIZATION:** Does not occur.**CONDITIONS TO AVOID:** Does not polymerize.**CORROSIVE TO METAL:** No**OXIDIZER:** No**SECTION VII - PERSONAL PROTECTION**

PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory Protection:

Supplied air respirators should be worn if large quantities of mist/dust are generated or prolonged exposure possible.

Eye Protection:

Chemical goggles when respirator does not provide eye protection.

Protective Clothing:

Gloves and protective clothing as necessary to prevent skin contact.

Ventilation:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

SECTION VIII - ENVIRONMENTAL DATA**ENVIRONMENTAL TOXICITY DATA**

Zebrafish 96 hr LC50 - 239 mg/L

Daphnia similis 48 hr EC50 - 389 mg/L

Earthworm LC50 - > 1000 mg/kg

SARA 311/312 REPORTING

FIRE: N PRESSURE: N REACTIVITY: N ACUTE: Y CHRONIC: N TPQ(lbs): N/R

SPILL AND LEAK PROCEDURES:

In case of large scale spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTREC (800 424-9300) or BASF Corporation (800 832-HELP). For a small spill, wear personal protective equipment as specified on the label.

FOR A SOLID SPILL: Sweep solid into a drum for re-use or disposal. Remove personal protective equipment and decontaminate it prior to re-use.

HAZARDOUS SUBSTANCE SUPERFUND: No RQ(lbs): None

WASTE DISPOSAL METHOD:

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

HAZARDOUS WASTE 40CFR261: No HAZARDOUS WASTE NUMBER: None

CONTAINER DISPOSAL:

FOR PLASTIC CONTAINERS: Triple rinse (or equivalent) and add rinsate to the spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FOR BULK CONTAINERS: Reusable containers should be returned to the point of purchase for cleaning and re-filling.

FOR MINIBULK CONTAINERS: Clean all tanks on an approved loading pad so rinsate can be collected and mixed into the spray solution or into a dedicated tank. Using a high pressure sprayer, rinse several times with small volumes of water to minimize rinsate.

SECTION IX - SHIPPING DATA - PACKAGE AND BULK**D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):**

None

**HAZARDOUS SUBSTANCE
(49CFR CERCLA LIST):**

RQ(lbs): None

D.O.T. HAZARD CLASSIFICATION (CFR 172.101-102):**PRIMARY****SECONDARY**

None

D.O.T. LABELS REQUIRED (49CFR172.101-102):

None

**D.O.T. PLACARDS
REQUIRED (CFR172.504):****POISON CONSTITUENT
(49CFR172.203(K)):****BILL OF LADING DESCRIPTION**

Compounds, tree or weed killing (herbicides), NOIBN
This product is not regulated by the Department of Transportation.

CC NO.: Not applicable**UN/NA CODE:** None

SECTION X - ADDITIONAL INFORMATION

Pursuit® DG herbicide

EPA Reg. No. 241- 350

KEEP OUT OF REACH OF CHILDREN

WARNING

Complete Label and Directions For Use are attached to the product.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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