

PIX[®] ULTRA PLANT REGULATOR

Product No.: 559400

Pix[®] Ultra plant regulator

Date Prepared: 2/23/1998

Date Revised: 6/11/2004

BASF Corporation

Agricultural Products Group

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EMERGENCY TELEPHONE NUMBERS:

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SECTION I

Trade Name: Pix[®] Ultra plant regulator

Chemical Name: N,N-Dimethylpiperidinium Chloride

Synonyms: Mepiquat Chloride (active ingredient)

BAS 083 45 W (formulation)

Formula: C₇H₁₆ClN (active ingredient)

Chemical Family: Quaternary Ammonium Salt

Mol Wt: 149.7 (active ingredient)

SECTION II — INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
N,N-Dimethylpiperidinium Chloride	24307-26-4	3.9	Not established
Inerts	N/A	96.1	Not established

SARA Title III Section 313: Not listed

SECTION III — PHYSICAL DATA

BOILING/MELTING POINT @ 760 mm Hg: 100°C

pH: 7

VAPOR PRESSURE mmHg @ 20°C: N/D-approx. equal to water.

SPECIFIC GRAVITY OR BULK DENSITY: 1.08 g/mL 8.97 lb/gal

SOLUBILITY IN WATER: Completely soluble

APPEARANCE: Blue Liquid

ODOR: None

INTENSITY: N/A

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: 1

FLAMMABLE: 0

INSTABILITY: 0

OTHER:

NFPA 30 STORAGE CLASSIFICATION: Class III B

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: None

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:

For Pix[®] Ultra plant regulator:

Rat, Acute Oral LD50 > 5000 mg/kg

Rat, Acute Dermal LD50 > 2000 mg/kg

Rat, Acute Inhalation LC50 (4hr) = 2.05 mg/L

Rat, Inhalation LC50 (1 hr) = 8.2 mg/L

Guinea pig, Dermal Sensitizer - not a sensitizer

Rabbit, Skin and Eye Irritation - Slight irritating

For a component of the formulation:

Animal ingestion studies in several species, at high doses, indicate that this component causes reproductive and developmental effects.

A human study of occupational exposure to dust of this component showed no adverse effect on reproduction.

EFFECTS OF OVEREXPOSURE:

See Product Label and Directions For Use for additional precautionary statements.

Precautionary Statements

Hazards to Humans and Domestic Animals

Avoid contact with eyes, skin, or clothing. In case of contact, immediately flush eyes or skin with plenty of water.

Get medical attention if irritation persists. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling.

Routes of exposure to this material include eye and skin contact or inhalation.

Contact with the eyes and skin may result in slight irritation. Inhalation of large amounts of mists may result in respiratory irritation and possible narcosis. Ingestion of large amounts can result in apathy, difficulty breathing, decreased muscular coordination or control.

Existing medical conditions aggravated by exposure to this material: No information found for this mixture.

FIRST AID PROCEDURES

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If swallowed: Call a physician or Poison Control Center. Drink 2 glasses of water to dilute. If person is unconscious, do not give anything by mouth.

SECTION VI — REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Do not allow product to freeze.

CHEMICAL INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may generate HCl, NOx

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: None

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 are generated or prolonged exposure possible.

Eye Protection: Chemical goggles when respirator does not provide eye protection.

Protective Clothing: Gloves, long-sleeved shirt, and slacks.

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

SECTION VIII — ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA

Pix[®] Ultra plant regulator is not acutely toxic to fish or wildlife.

SARA 311/312 REPORTING

FIRE: No

PRESSURE: No

REACTIVITY: No

ACUTE: Yes

CHRONIC: No

TPQ(lbs): 10,000

SPILL AND LEAK PROCEDURES:

Spill material should be recovered for use according to label directions; otherwise, spill should be contained, solidified, and placed in suitable containers for disposal.

This material is not regulated under RCRA or CERCLA ("Superfund").

HAZARDOUS SUBSTANCE SUPERFUND: No

RQ(lbs): None

WASTE DISPOSAL METHOD:

If recovered material cannot be applied according to label, then incinerate or bury in a licensed facility.

Do not discharge into waterways or sewer systems without proper authority.

HAZARDOUS WASTE 40CFR261: No

HAZARDOUS WASTE NUMBER: None

CONTAINER DISPOSAL:

Triple rinse container and recycle; otherwise, dispose of in licensed facility.

Recommended crushing or other means to prevent unauthorized reuse.

SECTION IX — SHIPPING DATA — PACKAGE AND BULK

D.O.T. PROPER SHIPPING NAME (49CFR172.101-102): See below

HAZARDOUS SUBSTANCE (49CFR CERCLA LIST): None

RQ(lbs): None

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

PRIMARY

See below

SECONDARY

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

D.O.T. PLACARDS REQUIRED (CFR172.504): See below

POISON CONSTITUENT (49CFR172.203(K)): None

BILL OF LADING DESCRIPTION

Plant Growth Inhibitor Modifier or Regulator

(Keep from freezing)

CC NO.: 760

UN/NA CODE: None

SECTION X — ADDITIONAL INFORMATION

Pix[®] Ultra plant regulator

Updated Information: Formatting only 10/13/99

EPA Reg. No. 7969-149

KEEP OUT OF REACH OF CHILDREN CAUTION

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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