

MATERIAL SAFETY DATA SHEET

Tenkoz Inc.
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EMERGENCY TELEPHONE NUMBER:**1 (800) 424-9300****Product No.:** 598102 **Pix® Cotton Plant Regulator****Date Prepared:** 1/29/1986 **Date Revised:** 12/22/06**SECTION I****Trade Name:** Pix® Cotton Plant Regulator**Chemical Name:** N,N-Dimethylpiperidinium Chloride**Synonyms:** Mepiquat Chloride (active ingredient)
BAS 083 30W (formulation)**Formula:** C(7) H(16) Cl N
(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	4.2	Not established
Inerts	N/A	95.8	Not established

SARA Title III Section 313: Not listed**SECTION III - PHYSICAL DATA****BOILING/MELTING POINT@760mm Hg:** 100 °C **pH:** 7 - 9**VAPOR PRESSURE mmHg @ 20°C:** N/D - approx. equal to water.**SPECIFIC GRAVITY OR BULK DENSITY:** 1.002 g/mL 8.35 lb/gal**SOLUBILITY IN WATER:** Completely soluble**APPEARANCE:** Pink 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** Use water fog, foam, CO(2), or dry chemical extinguishing media.**MEDIUM****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® Cotton Plant Regulator

Rat, Acute Oral LD50 - 6950 mg/kg

Rat, Acute Dermal LD50 > 5000 mg/kg

Rat, Acute Inhalation LC50 > 20 mg/L

Rabbit, Skin Irritation - Slight irritation

Rabbit, Eye Irritation - Slight irritation

EFFECTS OF OVEREXPOSURE:**See Product Label and Directions For Use for additional precautionary statements.**

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. 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.

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 in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.**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® Cotton 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 (or equivalent). 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.

SECTION IX - SHIPPING DATA - PACKAGE AND BULKD.O.T. PROPER SHIPPING NAME (49CFR172.101-102):
NoneHAZARDOUS SUBSTANCE
(49CFR CERCLA LIST):
No
RQ(lbs): NoneD.O.T. HAZARD CLASSIFICATION (CFR 172.101-102):
PRIMARY

SECONDARY

None

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

D.O.T. PLACARDS
REQUIRED (CFR172.504):POISON CONSTITUENT
(49CFR172.203(K)):

None

None

None

BILL OF LADING DESCRIPTIONPlant Growth Inhibitor Modifier or Regulator
(Keep from freezing)

CC NO.: 760

UN/NA CODE: None

SECTION X - ADDITIONAL INFORMATION**Pix® Cotton Plant Regulator**Information Updated:
Formatting only.

EPA Reg. No. 66330-345-55467

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.

DISCLAIMER**IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY TENKOZ HEREUNDER ARE GIVEN GRATIS AND TENKOZ ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.**