

**Farmsaver.com**

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"For Chemical Emergency"

Spill, Leak, Fire, Exposure or Accident, Call:  
Chemtrec (24 Hours): (800) 424-9300  
Outside U.S., call collect: (703) 527-3887

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: <b>Mepiquat Chloride</b>	CHEMICAL FAMILY <b>Quaternary Ammonium Salt</b>
CHEMICAL FORMULA <b>N,N-Dimethylpiperidinium Chloride</b>	

### SECTION 2 - HAZARDOUS INGREDIENT INFORMATION

Section 313 of Sara Title III: Ingredients subject to reporting are identified by asterisk (\*)

CAS NO.	COMPONENT	%	ACGIH TLV	OSHA PEL	OTHER
24307-26-4	N,N-Dimethylpiperidinium Chloride	4.2	N/E	N/E	N/E

### SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: <b>100° C</b>	MELTING POINT: <b>100° C</b>	BULK DENSITY (g/ml) <b>1.002 g/ml</b>	VAPOR PRESSURE (mmHg) <b>N/D – approx equal to water</b>
VAPOR DENSITY (AIR=1): <b>NOT APPLICABLE</b>	% SOLUBILITY IN WATER: <b>NOT ESTABLISHED</b>	% VOLATILE BY WEIGHT: <b>NOT ESTABLISHED</b>	
APPEARANCE: <b>Pink Liquid</b>	ODOR: <b>None</b>	pH (~1% in water @ 25°C): <b>7 - 9</b>	

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: <b>NOT DETERMINED</b>	FLAMMABLE LIMITS IN AIR - LEL: <b>NOT APPLICABLE</b>	UEL:
EXTINGUISHING MEDIA: <b>WATER FOG, DRY CHEMICAL, CO<sub>2</sub>, FOAM</b>		
SPECIAL FIRE FIGHTING PROCEDURES: <b>WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS: <b>NONE</b>		

### SECTION 5 – REACTIVITY DATA

STABILITY: <b>STABLE</b>
HAZARDOUS POLYMERIZATION: <b>WILL NOT OCCUR</b>
HAZARDOUS DECOMPOSITION PRODUCTS: <b>Combustion may generate HCl, Nox</b>
CONDITIONS & MATERIALS TO AVOID: <b>Do not allow product to freeze</b>

### SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION: <b>NIOSH-APPROVED RESPIRATOR WITH PARTICULATE FILTER</b>				
<b>VENTILATION</b>	LOCAL EXHAUST: <b>ACCEPTABLE</b>	MECHANICAL: <b>ACCEPTABLE</b>	SPECIAL: <b>NOT REQUIRED</b>	OTHER: <b>NONE</b>
PROTECTIVE GLOVES: <b>RUBBER</b>	EYE PROTECTION: <b>SAFETY GLASSES OR GOGGLES</b>			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: <b>HEAD COVERING, RUBBER BOOTS</b>	WORK/HYGIENIC PRACTICES: <b>PREVENT EATING, DRINKING, TOBACCO USE AND COSMETIC APPLICATION WHERE PRODUCT IS BEING USED. WASH THOROUGHLY AFTER HANDLING.</b>			

PRODUCT NAME: Farmsaver.com Mepiquat Chloride

## SECTION 7 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY:

**SKIN AND EYES**

CARCINOGEN:

**NONE KNOWN**

NTP:

**N/A**

IARC MONOGRAPHS:

**N/A**

OSHA:

**N/A**

INHALATION:

**UNKNOWN**

EYE CONTACT:

**SLIGHT IRRITANT**

SKIN CONTACT:

**SLIGHT IRRITANT. MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS.**

INGESTION:

**ORAL LD50 (RAT) = 6950 MG/KG.**

## SECTION 8 - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT:

**FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.**

SKIN CONTACT:

**REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER.**

INHALATION:

**LEAVE THE AREA AND GET FRESH AIR.**

INGESTION:

**DRINK LARGE QUANTITIES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION.**

## SECTION 9 - SPILL, LEAK & DISPOSAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**USE PROPER PERSONAL PROTECTIVE EQUIPMENT. SWEEP UP AND PLACE INTO A SECURE CONTAINER FOR PROPER DISPOSAL. WASH SPILL AREA WITH WATER CONTAINING A STRONG DETERGENT, ABSORB WITH ABSORBENT MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL.**

WASTE DISPOSAL METHOD:

**DO NOT REUSE PRODUCT CONTAINERS. DISPOSE OF IN AN APPROVED WASTE DISPOSAL AREA IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

## SECTION 10 - SHIPPING DATA

DOT SHIPPING NAME:

**NONE.**

## SECTION 11 - SPECIAL PRECAUTIONS & OTHER INFORMATION

SPECIAL INSTRUCTIONS:

**KEEP CONTAINER CLOSED WHEN NOT IN USE.**

OTHER INFORMATION/PRECAUTIONS:

COMMON ABBREVIATIONS THAT MAY HAVE BEEN USED: N/A = NOT APPLICABLE N/E = NOT ESTABLISHED

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**PREPARED BY:** *Regulatory Dept.*

**DATE:** 03/30/00