



MATERIAL SAFETY DATA SHEET



SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER NAME: Clariant Corporation, AZ Electronic Materials
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 Somerville, NJ 08878-1258

TELEPHONE NUMBERS: Emergency-CHEMTREC: (800) 424-9300
 Product Safety Information: (908) 429-3593
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PRODUCT NAME: **AZ(R) KWIK STRIP REMOVER**
SYNONYMS: None

MSDS NO. 703W
REVISION DATE: 07/10/2000
DATE PRINTED: 09/07/1998

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Hazardous?</u>	<u>NJ Trade Secret #</u>	<u>Ingredient Synonyms</u>	<u>Other Information:</u>
Dipropylene Glycol Monomethyl Ether 34590-94-8	59	Yes	N/A	DPGME	None
Tetrahydrothiophene-1,1-dioxide 000126-33-0	35	Yes	NA	Sulfolane	PA RTK Hazardous substances list(Threshold 1%). CAA Section III, SOCM1, on Production VOC list. Trade secret per NJ/PA RTK laws.
Trade Secret : Polyglycol ether	2	Yes	67829000004-5718P	None	

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Hazardous?</u>	<u>NJ Trade Secret #</u>	<u>Ingredient Synonyms</u>	<u>Other Information:</u>
Water 007732-18-5	4	No	NA	None	NJ/PA RTK listings. Not on any other state RTK list.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear, yellow liquid. Solvent odor. Water soluble. Irritating on contact or inhalation. May produce systemic or organ effects with repeated or excessive exposure.

POTENTIAL HEALTH EFFECTS:

Relevant Routes of Exposure:

Skin absorption. Eye contact with liquid and vapors. Inhalation of mist.

Medical Conditions Aggravated:

Preexisting skin, eye, and respiratory conditions may be aggravated.

Dipropylene glycol monomethyl ether is a slight eye irritant. Overexposure of animals to DPGME produces minor liver and kidney effects. In vitro mutagenicity tests have been negative.

Tetrahydrothiophene-1,1-dioxide is a moderate skin and eye irritant. Prolonged or excessive contact may result in severe skin irritation and nervous system effects. Overexposure to vapors or mists may cause nervous system effects. Shows neurotoxicity in animals at high exposures; aggressive behavior, brain, and visual effects are also manifested.

Polyglycol ether may cause skin, eye, and respiratory irritation.

SECTION 4. FIRST AID MEASURES

FIRST AID PROCEDURES:

Inhalation:

Remove victim to fresh air. Consult physician if irritation occurs.

Eye Contact:

Flush thoroughly with water for 15 minutes. Get immediate medical help.

Skin Contact:

Immediately remove contaminated clothing and wash affected area thoroughly with soap and water. Consult physician if exposure is extensive or if irritation occurs.

Ingestion:

If person is conscious, give water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Consult physician.

NOTE TO PHYSICIANS:

Administer oxygen if there is difficulty in breathing.

SECTION 5. FIRE FIGHTING MEASURES

Flash point:

236 deg F

Extinguishing Media:

Carbon dioxide, water, alcohol foam, dry chemical.

Special Procedures:

Use self-contained breathing apparatus and full protective clothing. Use water spray to cool drums in fire area.

Unusual hazards:

Solvent vapors. Emits toxic fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:

**Clariant Corporation, AZ Electronic Materials
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Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak, remove all sparking devices or ignition sources, collect onto inert absorbent, and place in a suitable container. Rinse residual with water.

SECTION 7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Keep container closed. Avoid breathing vapors and contact with skin, eyes, and clothing. Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.

Storage:

Store at appropriate temperature. See label for details. Store in original container. Transport and store under dry conditions tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use local exhaust ventilation.

Personal Protective Equipment (PPE):

Clothing suitable to prevent skin contact. Rubber gloves. Safety eyewear to protect against splashes. Chemical cartridge respirator recommended for exposures exceeding TLV. Where mist is present, provide local ventilation or a respirator certified for mist by NIOSH. When heating this material, use engineering controls to provide adequate exhaust ventilation or a NIOSH approved respirator.

Exposure Guidelines:

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Manufacturer's TWA TLV*</u>	<u>ACGIH TWA TLV*</u>	<u>OSHA PEL*</u>	<u>NIOSH REL*</u>	<u>AIHA WEEL*</u>
Dipropylene Glycol Monomethyl Ether 34590-94-8	59		100ppm(600 mg/m3)**	100ppm(600mg/m3)	100ppm(600mg/m3)	
Tetrahydrothiophene-1,1-dioxide 000126-33-0	35					
Trade Secret : Polyglycol ether	2					

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Manufacturer's TWA TLV*</u>	<u>ACGIH TWA TLV*</u>	<u>OSHA PEL*</u>	<u>NIOSH REL*</u>	<u>AIHA WEEL*</u>
Water 007732-18-5	4					

*TWA TLV = Time Weighted Average Threshold Limit Value

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA PEL = Occupational Safety and Health Administration Permissible Exposure Limit

NIOSH REL = National Institute of Occupational Safety and Health Recommended Exposure Limit

AIHA WEEL = American Industrial Hygiene Association Workplace Environmental Exposure Level

**Skin Notation

***Hoechst Celanese Workplace Exposure Level (HCC WEL); Included is a "no contact" recommendation for NMP due to its skin absorption properties.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, yellow liquid.
 Odor: Solvent odor.
 Physical State: Liquid
 Vapor Pressure: 4.0 torr (calculated)
 Vapor Density: >1
 Boiling Point: Begins 180 deg C.
 Solubility in water: Soluble.
 Specific gravity: 1.08
 VOC: 625 g/L calculated
 Evaporation rate
 (butyl acetate=1): < butyl acetate
 % Volatile: 100%

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Hazardous Polymerization:

Will not occur.

Conditions to Avoid:

Avoid contact with oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition may generate carbon dioxide, carbon monoxide, and oxides of sulfur.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogen:

IARC: NO NTP: NO OSHA: NO

Ingredient Toxicity Data:

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>oral rat LD50</u>	<u>skin rbt LD50</u>	<u>inh rat LC50</u>
Dipropylene Glycol Monomethyl Ether 34590-94-8	59	5.4g/Kg	>19g/Kg	
Tetrahydrothiophene-1,1-dioxide 000128-33-0	35	2.4 g/kg		
Trade Secret : Polyglycol ether	2			

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>oral rat LD50</u>	<u>skin rbt LD50</u>	<u>inh rat LC50</u>
Water 007732-18-5	4			

TOXICITY HAZARD STATEMENTS FOR PRODUCT:

SECTION 12. ECOLOGICAL INFORMATION

Ingredient Ecological Toxicity Data:

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Fish LC50</u>	<u>Daphnia EC50</u>	<u>Algae IC50</u>
Dipropylene Glycol Monomethyl Ether 34590-94-8	59	>10,000/L (carp)		
Tetrahydrothiophene-1,1-dioxide 000128-33-0	35			
Trade Secret : Polyglycol ether	2			

<u>Chemical Name & CAS Number</u>	<u>Weight Percent</u>	<u>Fish LC50</u>	<u>Daphnia EC50</u>	<u>Algae IC50</u>
Water 007732-18-5	4			

Environmental hazard information statements (using EU classification criteria):

Environmental Fate:
No information.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal:
Consult local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT/IATA Shipper Entry:
This product is not regulated for surface or air transportation.

SECTION 15. REGULATORY INFORMATION

TSCA Inventory Status:
All components of this product are listed on the TSCA Inventory.
SARA Title III section 313:
This product is not subject to SARA Title III Section 313 reporting requirements under 40CFR372.
OSHA Health Hazards:
Eye Hazard. Irritant. Skin Hazard. Nervous System Toxin. Liver Toxin. Kidney Toxin. Lung Toxin.

SARA (311, 312) Hazard Class(es):

Acute health hazard. Fire hazard. Chronic health hazard.

California Proposition 65 Warning Statement:

Under the notification requirements of the state of California, this product may be found to contain one or more of the listed chemicals covered by Proposition 65. These are not intentionally included, but can be naturally occurring contaminants and/or raw materials used to produce the product. While we do not analyze expressly for Proposition 65 substances, the possibility of their presence in trace quantities exists. In order to comply with the California law we are therefore providing the following statement: "Warning: This product contains chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm."
Ethylene oxide, 1,4-Dioxane

SECTION 16. OTHER INFORMATION

HMIS Ratings:

Health = 2; Flammability = 1; Reactivity = 0; PPE=G

NFPA Ratings:

Health = 2; Flammability = 1; Reactivity = 0; Special Hazard = None.

Special Precautions:

When heating this material, use engineering controls to provide adequate exhaust ventilation and personal protective equipment to prevent contact or inhalation of vapors, aerosols, or mists.

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