

Clariant Corporation
AZ Electronic Materials
P.O. Box 3700
70 Meister Avenue
Somerville, NJ 08876-1258



Material Safety Data Sheet

THE EMERGENCY PHONE NUMBER IS: CHENTREC (800) 424-9300
FOR (NON EMERGENCY) PRODUCT INFORMATION CALL: (908) 429-3562 PAGE 1

-----PRODUCT IDENTIFICATION-----

PRODUCT NAME:
AZ KWIK STRIP REMOVER
CHEMICAL FAMILY:
ORGANIC SOLVENT MIXTURE

VERSION DATE: 08/21/98
DATE PRINTED: 08/21/98
MSDS NUMBER: 5000703W

-----HAZARDOUS INGREDIENTS-----

INGREDIENT:	PERCENT:	HAZARD DATA:
DIPROPYLENE GLYCOL MONOMETHYL ETHER, DPGME, CAS#34590-94-8	59	CONTACT AND INHALATION HAZARD.
TETRAHYDROTHIOPHENE-1,1-DIOXIDE, SULFOLANE, CAS#126-33-0	35	SEE EFFECTS OF OVEREXPOSURE

POLYGLYCOL ETHER, 67829000004-
5718P 2

TRADE SECRET PER NJ AND PA RIGHT-
TO-KNOW LAWS.

OTHER:
WATER, CAS# 7732-18-5

NJ AND PA RIGHT-TO-KNOW LISTINGS.
"OTHER" LISTINGS NOT ON ANY STATE
R-T-K LIST OR DEFINED AS HAZARDOUS

-----PHYSICAL DATA-----

PHYSICAL DATA	LOW	HIGH	UNITS	COMMENT
BOILING POINT	180		°C	BEGINS
SOLUBILITY IN WATER				SOLUBLE
% VOLATILE		100		
SPECIFIC GRAVITY (WATER =1)		1.06		
EVAPORATION RATE				<BUACET
VAPOR PRESSURE		4.0	TORR	
OTHER: VOC		625	G/L	CALCULATED

APPEARANCE AND ODOR:
CLEAR, PALE YELLOW LIQUID, SOLVENT ODOR.

-----FIRE AND EXPLOSION HAZARDS-----

FLASH POINT: 236 °F

EXTINGUISHING MEDIA:
CARBON DIOXIDE, WATER, ALCOHOL FOAM, DRY CHEMICAL OR WATER-FOG.

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.

-----HEALTH INFORMATION-----

PRIMARY ROUTE OF EXPOSURE: INHALATION: YES SKIN ABSORPTION: YES INGESTION: NO
ALSO SKIN AND EYE CONTACT WITH LIQUID AND VAPORS.

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-----HEALTH INFORMATION----- (CONTINUED)

EFFECTS OF OVEREXPOSURE:
DPGME IS A SLIGHT EYE IRRITANT. OVEREXPOSURE OF ANIMALS TO DPGME PRODUCES MINOR LIVER AND KIDNEY EFFECTS. IN VITRO MUTAGENICITY TESTS HAVE BEEN NEGATIVE.

POLYGLYCOL ETHER MAY CAUSE SKIN, EYE, AND RESPIRATORY IRRITATION.

SULFOLANE 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. SULFOLANE WAS FOUND TO BE NON-SENSITIZING IN GUINEA PIGS. FOR MUTAGENICITY, GAVE A NEGATIVE AMES TEST AND IN-VITRO SISTER CHROMATID EXCHANGE ASSAY BUT A POSITIVE MOUSE LYMPHOMA FORWARD MUTATION ASSAY. REPEATED EXPOSURES TO AEROSOLS OF SULFOLANE HAVE ELICITED AGGRESSIVE BEHAVIOR, BLOOD AND LIVER CHANGES, CONVULSIONS, AND LUNG EFFECTS IN TEST ANIMALS.

TOXICITY:	ROUTE	TEST	DOSE	UNITS	COMMENTS
	ORL/RAT	LD50	5135	MG/KG	DPGME
	SKN/RBT	LD50	9500	MG/KG	DPGME
	ORL/RAT	LD500	2.40	G/KG	SULFOLANE
	SKN/RBT	LD50	12.6	G/KG	SULFOLANE

MEDICAL CONDITIONS AGGRAVATED:
PREEXISTING SKIN, EYE AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

CARCINOGEN: IARC: NO NTP: NO OSHA: NO

-----OCCUPATIONAL EXPOSURE LIMITS-----

T.L.V.: TWA 100 PPM

TEXT:
FOR DPGME.
\$\$
MANUFACTURER OF SULFOLANE RECOMMENDS TWA TLV OF 5 PPM.

-----EMERGENCY AND FIRST AID PROCEDURE-----

INHALATION:
MOVE 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 IRRITATION OR OTHER SYMPTOMS OCCUR.

INGESTION:
IF PERSON IS CONSCIOUS, GIVE WATER OR MILK TO DILUTE STOMACH CONTENTS.
DO NOT INDUCE VOMITING.
CONSULT PHYSICIAN.

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-----EMERGENCY AND FIRST AID PROCEDURE----- (CONTINUED)

ADDITIONAL MEASURES:
NONE FOUND.

-----REACTIVITY DATA-----

CHEMICAL STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:
AVOID CONTACT WITH STRONG ACIDS.
AVOID CONTACT WITH OXIDIZING AGENTS.
AVOID CONTACT WITH ALKALINE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION MAY GENERATE
CARBON DIOXIDE, CARBON MONOXIDE AND OXIDES OF SULFUR

-----SPILL OR LEAK PROCEDURES/WASTE DISPOSAL-----

SPILL OR LEAK PROCEDURES:
WEARING APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, CONTAIN SPILL,
VENTILATE AREA OF SPILL OR LEAK
COLLECT ONTO INERT ABSORBENT. PLACE IN SUITABLE CONTAINER.
RINSE RESIDUAL WITH WATER.

WASTE DISPOSAL:
DISPOSE OF OR INCINERATE IN ACCORDANCE WITH REGULATIONS.

-----EMPLOYEE PROTECTION -----

RESPIRATORY PROTECTION:
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.

PROTECTIVE CLOTHING:
CLOTHING SUITABLE TO PREVENT SKIN CONTACT.
SAFETY GOGGLES OR FULL FACE SHIELD.
RUBBER GLOVES.

ADDITIONAL PROTECTIVE MEASURES:
USE LOCAL EXHAUST VENTILATION.
CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.

-----SPECIAL PRECAUTIONS-----

STORE IN A COOL PLACE.
KEEP TIGHTLY SEALED.
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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MSDS NUMBER: 5000703W

-----OTHER REGULATORY CONTROLS-----

OTHER REGULATORY CONTROLS:

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

THIS PRODUCT IS NOT SUBJECT TO SARA TITLE III SECTION 313
REPORTING REQUIREMENTS UNDER 40 CFR 372.

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

OSHA HEALTH HAZARDS:

EYE HAZARD
IRRITANT
KIDNEY TOXIN
LIVER TOXIN
LUNG TOXIN
NERVE SYSTEM TOXIN
SKIN HAZARD

SARA HAZARD CLASS:

ACUTE: YES CHRONIC: YES FIRE HAZARD: NO PRESSURE: NO REACTIVITY: NO