

Substance key: BBG703W
Version 1

REVISION DATE: 01/04/2010
Print Date: 01/04/2010

Section 01 - Product Information

Identification of the company:	AZ Electronic Materials USA Corp. 70 Meister Avenue Somerville, NJ 08876 Telephone No.: 800-515-4164
Information on the substance/preparation	Product Safety: 908-429-3562
Emergency Tel. number:	800-424-9300 CHEMTREC

Trade name: AZ KWIK STRIP REMOVER

Major product use : Electronic industry
Intermediate for electronic industry

Section 02 - Composition information

Hazardous ingredients:

Chemical Name	CAS-no. (Trade secret no.)	Concentration [%]
Dipropylene glycol monomethyl ether	34590-94-8	55.00 - 60.00
Tetrahydrothiophene-1,1-dioxide	126-33-0	30.00 - 35.00
Polyglycol ether	67829000004-5718P	1.00 - 5.00

Section 03 - Hazardous identification

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

Expected route of entry

Skin contact: Contact with liquid and mist.

Ingestion: no

Inhalation: Inhalation of mist.

Eye contact: Contact with liquid and mist., Causes irritation by contact with eyes.

Skin absorption: yes



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Health effects of exposure:

Component information:

Dipropylene glycol monomethyl ether (34590-94-8)

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 (126-33-0)

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. Inhalation of excessive mists (aerosols) containing sulfolane may lead to tremors and convulsions. Shows neurotoxicity in animals at high exposures; aggressive behavior, brain, and visual effects are also manifested.

Polyglycol ether (24938-91-8)

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

Known effects on other illnesses:

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

Listed carcinogen:

IARC: NO NTP: NO OSHA: NO

HMIS:

Health: 2 Flammability: 1 Reactivity: 0 Personal protection: X

NFPA:

Health: 2 Flammability: 1 Reactivity: 0 Special notice: NONE

Section 04 - First aid measures

After inhalation:

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

After contact with skin:

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

After contact with eyes:

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

After ingestion:

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

Advice to doctor / Treatment:

Administer oxygen if there is difficulty in breathing.

Section 05 - Fire fighting measures

Flash point:	236 °F Method: closed cup
Suitable extinguishing media:	Carbon dioxide, water, alcohol resistant foam, dry chemical.
Special fire fighting procedure:	Use self-contained breathing apparatus and full protective clothing. Use water spray to cool drums in fire area.
Special hazards from the substance itself, its combustion products or from its vapours:	Thermal decomposition may generate carbon dioxide, carbon monoxide, and oxides of sulfur.
Unusual fire and explosion hazards:	Solvent vapors., Emits toxic fumes under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:	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.
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Section 07 - Handling and Storage

Advice on safe handling:

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

Further information for storage conditions:

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

Section 08 - Exposure Control / personal protection

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Dipropylene glycol monomethyl ether	34590-94-8	ZUS_ACGIH	TLV-TWA:	100	606
		ZUS_ACGIH	Threshold Limit Value - Time weighted average PEL:	ppm	mg/m3
		ZUS_OSHAP1	Permissible Exposure Level	150	909
			TLV-STEL:	ppm	mg/m3
			Threshold Limit Value - Short Time Exposure Level	100	600
			Permissible Exposure Level		

Respiratory protection: When heating this material, use engineering controls to provide adequate exhaust ventilation or a NIOSH approved respirator. Where mist is present, provide local ventilation or a respirator certified for mist by NIOSH.

Hand protection: Solvent Resistant Gloves.

Eye protection: Safety eyewear to protect against splashes.

Body protection: Clothing suitable to prevent skin contact.

Additional advice on system design: Use local exhaust ventilation.

Section 09 - Physical and chemical properties

Form: Liquid

Color: Clear, yellow

Odor: Solvent odor.

Solubility in water: soluble

Density: 1.06 g/cm3

Starts to boil: 180 °C

Evaporation number: Reference substance: n-butyl acetate
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Vapor pressure: 4 Torr
Relative vapor density: > 1
Loss on drying: 100 %

Section 10 - Stability and reactivity

Hazardous reactions: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Avoid contact with oxidizing agents.

Section 11 - Toxicological information

Dipropylene glycol monomethyl ether (34590-94-8)

Acute oral toxicity: LD50 rat
5,400 mg/kg

Tetrahydrothiophene-1,1-dioxide (126-33-0)

Acute oral toxicity: LD50 rat
1,540 mg/kg

Dipropylene glycol monomethyl ether (34590-94-8)

Acute inhalation toxicity Toxic Concentration Low Mammal
3 mg/l
General anesthetic

Tetrahydrothiophene-1,1-dioxide (126-33-0)

Acute inhalation toxicity LC50 rat
>12,000 mg/m³
Exposure time: 4 h

Dipropylene glycol monomethyl ether (34590-94-8)

Acute dermal toxicity: LD50 rabbit
>19 g/kg

Tetrahydrothiophene-1,1-dioxide (126-33-0)

Acute dermal toxicity: LD50 rabbit
4,009 mg/kg

Section 12 - Ecological information

Further ecological information: Do not allow to enter soil, waterways or waste water

Dipropylene glycol monomethyl ether (34590-94-8)

Fish toxicity: (carp)
> 10.0000 mg/l

Section 13 - Disposal considerations

Product: Consult local, state, and federal regulations.

Uncleaned packaging: Packaging that cannot be cleaned should be disposed of as product waste

RCRA hazardous waste: No -- Not as sold.

Section 14 - Transport information

Land transport

- *DOT:*
Not restricted

Sea transport

- *IMDG:*
Not restricted

Air transport

- *ICAO/IATA-DGR:*
Not restricted



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Section 15 - Regulatory information

TSCA Status: All components of this product are listed on the TSCA Inventory.

SARA (section 311/312): Reactive hazard: no
Pressure hazard: no
Fire hazard: no
Immediate/acute: yes
Delayed/chronic: yes

SARA 313 information: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Volatile organic compounds: Content VOC (g/l): 625 g/l
Method: calculated

Section 16 - Other information

US State regulatory information

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

Label information

CAUTION!

Harmful if inhaled, swallowed, or on contact. Contains material that can cause skin, eye, and respiratory irritation; prolonged or repeated overexposure may cause liver, kidney, and central nervous system effects. Based on animal tests, exposure to aerosols of this material may cause aggressive behavior, blood and liver changes, convulsions, and lung effects.

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

In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention immediately. Flush affected skin areas with water, and wash with mild soap and water. Remove contaminated clothing. If INHALED, remove individual to fresh air. If breathing is difficult, give oxygen. If ingested, give water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Get medical attention immediately for ingestion or breathing problems or if skin contact is extensive.

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In case of fire, use water, alcohol resistant foam, dry chemical, or CO2.

If spilled, wear protective clothing, remove ignition sources, prevent sparks, and ventilate area. Absorb with inert material, collect, and place in a chemical waste container.

Keep sealed in original container. Protect from heat and light. Store in a cool, dry place. Product should be stored > 32 F (0 C). Empty container may contain harmful residue.

The solvent in this product is not photochemically reactive per Rule 102 of the California South Coast Air Quality Management District.

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. (R) and TM indicate trademarks of AZ Electronic Materials USA Corp., its business partners and suppliers.
