

Substance key: BBG7080  
Version

REVISION DATE: 00/00/0000  
Print Date: 11/29/2005

### Section 01 - Product Information

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

Trade name: AZ 1500 Thinner

### Section 02 - Composition information

**Hazardous ingredients:**

Chemical Name	CAS-no. (Trade secret no.)	Concentration [%]
1-Methoxy-2-propanol acetate	108-65-6	100.00

### Section 03 - Hazardous identification

**Emergency overview:** OSHA combustible liquid; DOT flammable liquid., Clear, colorless liquid with a strong characteristic odor., Partially dissolves in water., Irritating on contact or inhalation.

**Expected route of entry**

**Skin contact:** yes  
**Ingestion:** no  
**Inhalation:** yes  
**Eye contact:** Contact with liquid and vapors.  
**Skin absorption:** yes

**Health effects of exposure:**

**Component information:**

Eye: Causes eye irritation. Skin: Causes skin irritation. Ingestion: May be harmful if swallowed. Inhalation: Single exposure unlikely to be hazardous. High vapor concentration causes irritation to the nose, throat, and lungs. Systemic Effects: No hazard in normal industrial use. Reproductive & birth defects: Exposures having no adverse effect on the mother should have no effect on the fetus.



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**1-Methoxy-2-propanol acetate (108-65-6)**

1-Methoxy-2-propanol acetate (PGMEA) can cause skin, eye, and respiratory irritation. Extreme or prolonged exposure may cause gastric and central nervous system effects. Long term, high level exposure to PGMEA has resulted in adverse effects to the livers and kidneys of experimental animals. PGMEA is readily absorbed through intact skin.

**Listed carcinogen:** IARC: NO NTP: NO OSHA: NO

**HMIS:**

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

**NFPA:**

Health: 2 Flammability: 2 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.

### Section 05 - Fire fighting measures

**Flash point:** 116 °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:** 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.

## Section 07 - Handling and Storage

**Advice on safe handling:**

Keep away from heat and flame.  
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.

**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.  
May liberate combustible solvent vapors.

## Section 08 - Exposure Control / personal protection

**Respiratory protection:** Chemical cartridge respirator recommended for exposures exceeding TLV.

**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, colorless

**Odor:** Strong, characteristic odor.

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**Solubility in water:** PGMEA 16%

**Density:** 0.965 g/cm<sup>3</sup>

**Vapor pressure:** 3.7 Torr

### Section 10 - Stability and reactivity

**Hazardous reactions:** Stable.

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Avoid contact with oxidizing agents. Avoid contact with strong acids. Avoid contact with alkaline materials.

### Section 11 - Toxicological information

**Acute oral toxicity:** Testing in animals shows that this material is, not harmful (rat acute oral LD<sub>50</sub> > 5000 mg/kg).

**Acute inhalation toxicity**

This material is considered irritating to the respiratory tract., Testing in animals shows that this material is, not harmful (LC<sub>50</sub> greater than 10,000 ppm or 200 mg/L)

**1-Methoxy-2-propanol acetate (108-65-6)**

**Acute oral toxicity:** LD<sub>50</sub> rat (male)  
8,500 mg/kg

**1-Methoxy-2-propanol acetate (108-65-6)**

**Acute oral toxicity:** LD<sub>50</sub> rat (female)  
10,000 mg/kg

**1-Methoxy-2-propanol acetate (108-65-6)**

**Acute inhalation toxicity** LC<sub>50</sub> rat  
> 4350 ppm

**1-Methoxy-2-propanol acetate (108-65-6)**

**Acute dermal toxicity:** LD<sub>50</sub> rabbit  
> 5,000 mg/kg

### Section 12 - Ecological information

**1-Methoxy-2-propanol acetate (108-65-6)**

**Fish toxicity:** (Fathead minnow)  
161 mg/l

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**1-Methoxy-2-propanol acetate (108-65-6)**  
Toxicity of aquatic (Daphnia magna)  
invertebrates: 400 mg/l

### Section 13 - Disposal considerations

**Product:** Consult local, state, and federal regulations.  
For disposal, this material is a flammable hazardous waste  
under RCRA.

### Section 14 - Transport information

#### Land transport

- *DOT:*  
Not restricted

#### Sea transport

- *IMDG:*  
UN-No: 1993  
Proper technical name: FLAMMABLE LIQUID, N.O.S. contains (2-methoxy-1-methylethyl acetate)  
Class: 3  
Packaging group: III  
Marine pollutant:  
EmS: F-E, S-E  
MFAG:  
Labels: 3

#### Air transport

- *ICAO/IATA-DGR:*  
UN/ID No.: UN 1993  
Proper technical name: FLAMMABLE LIQUID, N.O.S. contains (2-methoxy-1-methylethyl acetate)  
Class: 3  
Packaging group: III  
Labels: 3

### Section 15 - Regulatory information



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<b>TSCA Status:</b>	This product is listed on the TSCA Inventory.
<b>SARA (section 311/312):</b>	Reactive hazard: no Pressure hazard: no Fire hazard: yes Immediate/acute: yes Delayed/chronic: no
<b>SARA 313 information:</b>	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
<b>Volatile organic compounds:</b>	Content VOC (g/l): 965 g/l Method: calculated

## Section 16 - Other information

### Label information

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN Contains material that, based on animal data, can cause skin, eye, and respiratory irritation. Prolonged or repeated overexposure may cause gastric and central nervous system 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.

In case of fire, use water, alcohol resistant foam, dry chemical, or CO<sub>2</sub>.

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. Avoid freezing and direct sunlight. 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.

MATERIAL SAFETY DATA SHEET  
**AZ 1500 Thinner**



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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.

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