

# MATERIAL SAFETY DATA SHEET

## MS-660G UV/LSA BASE COMPONENT

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### SECTION 1: PRODUCT IDENTIFICATION AND USE

MFG'S NAME: **ITW AMERICAN SAFETY TECHNOLOGIES**  
565 Eagle Rock Ave.  
Roseland, New Jersey 07068  
(973) 403-2600

TRADE NAME: **MS-660G UV/LSA  
BASE COMPONENT**

**CHEMICAL FAMILY: EPOXY**

DOT SHIPPING CLASSIFICATION (49 CFR 172.101): Paint,3,UN1263,III  
TRANSPORTATION EMERGENCY NUMBER (CHEMTREC): 1-800-424-9300  
MFG'S DUNN'S NO: 002-171-213

**HMIS RATING:**  
**Health** = **2**  
**Flammability** = **2**  
**Reactivity** = **0**

**COMMER'L & GOV'T ENTITY (CAGE) CODE:** 88444

**NATIONAL STOCK NO:** **SPEC:** (Type, Grade, or Class)  
MIL-PRF-24667B (Navy) Type II/III Comp G – NAVSEA Approved System

**CONTRACT OR ORDER NO.**

**PREPARED BY:** J. Hermele

**DATE:** 07/02/01

**REVISION:** 7

### SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO.	% WT.	OSHA	ACGIH	OTHER
Epoxy Resin	* secret	10-15%	N.E.	N.E.	LD50RAT>5g/Kg(Oral)
1-Ethoxy-2-Propanol	1569-02-4	4%	N.E.	N.E.	
Methyl Amyl Ketone	110-43-0	<2%	100 ppm	100 ppm	
Aromatic Naphtha	64742-95-6	<2%	50 ppm	50 ppm	
Titanium Dioxide	13463-67-7	<5%	5 mg/m3 dust	10 mg/m3 dust	
Barium Sulfate	7727-43-7	25-35%	5mg/m3 dust	5mg/m3 dust	
Aluminum Oxide	1344-28-1	40-50%	15mg/m3 dust	10mg/m3 dust	

Crystalline Silica Content Less Than 0.1%.

(N.E. = Not Established)

**SECTION 313 SUPPLIER INFORMATION:** THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED ON THE MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
None		

### SECTION 3: PHYSICAL DATA

**BOILING POINT:** >240°F/116°C      **SPECIFIC GRAVITY:** 2.3  
**VAPOR PRESSURE:** 8mmHg @ 68°F/20°C      **MELTING POINT:** N.E.  
**VAPOR DENSITY:** 3.1 (AIR = 1)      **EVAPORATION RATE:** 0.7 (Butyl Acetate = 1)  
**SOLUBILITY IN WATER:** Slight  
**APPEARANCE AND ODOR:** Pigmented Viscous Liquid, Mild Odor.

### SECTION 4: FIRE AND EXPLOSION HAZARD

**FLASH POINT:** 102°F/39°C SETA      **FLAMMABLE LIMITS:** LEL      UEL  
1.62      11.8

**EXTINGUISHING MEDIA:** Dry Chemical and Chemical Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment where potential for exposure to vapors or products of combustion exists.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Decomposition and combustion products may be toxic.

# MS-660G UV/LSA BASE COMPONENT

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## SECTION 5: HEALTH HAZARD DATA

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**PRIMARY ROUTES OF ENTRY:** Inhalation/Skin/Ingestion

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Eyes: Irritant. Aggregate may cause injury.  
Skin: May cause moderate irritation and sensitization.  
Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory irritation.  
Ingestion: No specific information available. Contains materials that may be slightly toxic.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Allergy, eczema and other skin conditions.

**CARCINOGENIC DATA:** Not on NTP, IARC or OSHA Lists.

**OVEREXPOSURE EFFECTS:** Irritation, sensitization and dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:**

Eyes: Flush with large quantities of water for at least 15 minutes. Get medical attention.  
Skin: Remove contaminated clothing. Wash contact area with mild soap and water for 15 minutes.  
Inhalation: Remove to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.  
Ingestion: Do not induce vomiting (contains solvent). Get medical attention.

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## SECTION 6: REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive Heat

**INCOMPATIBILITY (Materials to Avoid):** Strong Oxidizing Agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide and Aldehydes.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION 7: SPILL OR LEAK PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate all ignition sources. Dike Spill. Absorb with inert material and collect for disposal. Flush contaminated area with water; prevent washings from entering waterways.

**WASTE DISPOSAL METHODS:** This product, if disposed as shipped, meets EPA criteria of a hazardous waste as specified in 40 CFR 261 on the basis of its ignitability. Dispose of in a licensed hazardous waste facility in accordance with applicable laws.

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## SECTION 8: SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator with organic vapor cartridge if required.

**VENTILATION:** Explosion-proof mechanical ventilation and local exhaust are recommended. Mechanical exhaust is not recommended as the sole means of controlling employee exposure.

**PROTECTIVE GLOVES:** Impervious gloves.

**EYE PROTECTION:** Chemical splash-proof goggles.

**OTHER PROTECTIVE EQUIPMENT:** In operations where contact may occur, coveralls, apron and impervious foot covering are recommended.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid all personal contact. Do not exceed 110°F/43°C in storage area. Ground and bond metal containers for liquid transfer to avoid static sparks.

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## SECTION 9: SPECIAL / OTHER INSTRUCTIONS

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- \* A safety shower and eye wash facility should be available to employees.
- \* Contaminated clothing should be removed immediately and thoroughly laundered before reuse.



# MS-400 UV / MS-660 UV HARDENER COMPONENT

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## SECTION 5: HEALTH HAZARD DATA

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**PRIMARY ROUTES OF ENTRY:** Inhalation/Skin/Ingestion

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Eyes: Causes severe irritation or burns. May cause permanent visual impairment.  
Skin: Causes severe irritation or burns. May be absorbed through skin in harmful amounts.  
Inhalation: May cause nose and throat irritation.  
Ingestion: May cause burns of mouth and throat. Contains material that may be slightly toxic.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Allergy, eczema and other skin conditions.

**CARCINOGENIC DATA:** Not on NTP, IARC or OSHA Lists.

**OVEREXPOSURE EFFECTS:** Irritation, sensitization and dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:**

Eyes: Flush with large quantities of water for at least 15 minutes. Get medical attention.  
Skin: Remove contaminated clothing. Wash contact area with mild soap and water for 15 minutes.  
Inhalation: Remove to fresh air. If symptoms persist consult a physician.  
Ingestion: Do not induce vomiting. If conscious, give large quantities of water to dilute. Get medical attention.

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## SECTION 6: REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive Heat

**INCOMPATIBILITY (Materials to Avoid):** Strong Oxidizing Agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, and Oxides of Nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION 7: SPILL OR LEAK PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike Spill. Absorb with inert material and collect for disposal. Flush contaminated area with dilute (5%) acetic acid and collect rinsate for disposal.

**WASTE DISPOSAL METHODS:** This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261. However, disposal in a licensed hazardous waste facility in accordance with applicable laws is recommended. Consult State or local officials for proper disposal method.

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## SECTION 8: SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator with organic vapor cartridge if required.

**VENTILATION:** Local exhaust recommended. Mechanical ventilation is not recommended as the sole means of controlling employee exposure.

**PROTECTIVE GLOVES:** Impervious rubber or plastic gloves.

**EYE PROTECTION:** Chemical splash-proof goggles.

**OTHER PROTECTIVE EQUIPMENT:** In operations where contact may occur, coveralls, apron and impervious foot covering are recommended.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid all personal contact. Do not exceed 110°F/43°C in storage area. Ground and bond metal containers for liquid transfer to avoid static sparks.

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## SECTION 9: SPECIAL / OTHER INSTRUCTIONS

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- \* A safety shower and eye wash facility should be available to employees.
- \* Immediately remove and thoroughly launder contaminated clothing before reuse.