

# IC&S

## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Number:</b>	<b>TZ 675</b>	<b>Product Name:</b>	WB UV Stabilizer/Reducer
<b>Manufactured for:</b>	IC&S	<b>Address:</b>	1833 William Penn Way
<b>Phone Number:</b>	800-220-4035		Lancaster, PA 17601
<b>Emergency Phone:</b>	800-255-3924		
<b>Date Prepared:</b>	12/12/11		

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OSHA ppm TWA</u>	<u>ACGIH ppm TWA</u>	<u>Weight %</u>
Diethylene Glycol				
Monobutyl Ether	112-34-5	25	25	50
Dipropylene Glycol				
Monomethyl Ether	34590-94-8	100	900	50

### 3. HAZARDOUS IDENTIFICATION

**Emergency Overview: Warning!** Combustible vapor and liquid.

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** High gas, vapor, mist, or dust concentrations may be harmful if inhaled. May cause headache, dizziness or nausea. May cause nose and throat irritation and possible lung injury.

**Ingestion:** May cause irritation of the mouth, throat and esophagus with nausea, abdominal discomfort, vomiting, diarrhea and drowsiness.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Signs And Symptoms Of Exposure:** Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, nausea.

### 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water, for at least 15 minutes. Get medical attention, if irritation persists.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Skin Contact:** Remove contaminated clothing, immediately wash skin thoroughly with plenty of soap and water. If symptoms persist, seek medical attention.

**Aggravated Medical Conditions:** Skin and eye irritation.

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## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**Flash Point:** 78° C (172° F)  
**Flash Point Method:** Tag Closed Cup  
**Auto ignition:** 204°C (399°F)  
**LEL:** .85  
**UEL:** 24.6

**Extinguishing Media:** Use foam or dry chemical to extinguish fire.

**Special Fire-Fighting Procedures:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

**Unusual Fire And Explosion Hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large amounts of water.

**Combustion Products:** Fumes, smoke carbon monoxide and hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Spilled Or Released:** Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Cover the spill with sawdust, vermiculite, fuller's earth or other absorbent material. Place spilled material and absorbent in a closed metal container. Dispose of all materials in accordance with applicable state and federal regulations. Only specially trained or qualified personnel should handle the emergency.

## 7. HANDLING AND STORAGE

### Precautions To Be Taken In Handling And Storage:

**STORAGE TEMPERATURE:** 64° to 75°F (18° to 25°C)

**SHELF LIFE:** 1 year @ 68°F (20°C)

**SPECIAL SENSITIVITY:** Heat, light, moisture.

**PRECAUTIONS:** Keep away from heat, sparks and open flame. Ground containers during storage and transfer operations. Store in closed containers. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

**Other Precautions:** Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** Good industrial hygiene practice dictates that worker protection should be achieved through engineering controls such as ventilation whenever feasible. When such controls are not feasible to achieve full protection, the use of respirators and other personal protective equipment is mandated. Before an air-purifying respirator can be used, air monitoring must be performed to measure airborne concentrations of organic solvents. A NIOSH-approved organic vapor respirator with dust, mist and fume filters is recommended. Observe OSHA regulations for respirator use (29CFR 1910.1234).

**Ventilation:** Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

**Protective Gloves:** Nitrile rubber and PVC are not suitable protective materials; Neoprene is recommended.

**Eye Protection:** Safety glasses with side shields (or goggles) and a face shield.

**Other Protective Clothing or Equipment:** Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

**Work/Hygienic Practices:** Use good personal hygiene when handling this product. Wash hands thoroughly after handling this product.

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance And Odor:** Clear, colorless liquid with faint butyl odor.

**Solubility In Water:** Not soluble in most cases

<b>Boiling Point:</b>	231°C (448°F)	<b>VOC, Lbs./Gal.:</b>	7.93
<b>Vapor Pressure:</b>	0.02mm Hg @ 20°C	<b>VOC, Gr./L.:</b>	957
<b>Specific Gravity:</b>	0.95	<b>HAPS, Lbs./Gal.:</b>	0
<b>Pounds / Gallon:</b>	7.93	<b>HAPS, Gr./L.:</b>	0
<b>Vapor Density:</b>	Heavier Than Air		
<b>Percent Volatile:</b>	100		

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions To Avoid:** Avoid high temperatures, heat, flame, and other sources of ignition.

**Incompatibility:** None Reported.

**Hazardous Decomposition Or By Products:** Carbon monoxide, Carbon Dioxide.

**Hazardous Polymerization:** Will Not Occur.

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## 11. TOXICOLOGICAL INFORMATION

Low order of toxicity

## 12. ECOLOGICAL INFORMATION

Environmental hazard

## 13. DISPOSAL CONSIDERATIONS

The preferred options for disposal are to send to licensed reclaimers, or approved incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## 14. TRANSPORT INFORMATION

<b>DOT Class:</b>	Combustible liquid.
<b>Hazard Class:</b>	Comb Liquid
<b>UN No.:</b>	NA1993
<b>Packing Group:</b>	III
<b>Ship Name:</b>	Not Regulated except when shipped by air.

## 15. REGULATORY INFORMATION

**OSHA STATUS:** This product is hazardous under OSHA Standard 29 CFR 1910.1200.

**TSCA STATUS:** Ingredients of this product are on the TSCA inventory.

**SARA TITLE III:** Section 302: None.  
Sections 311/312: Immediate & Delayed Health Hazard; Fire Hazard.  
Section 313: Toxic Chemicals; none.

**CERCLA STATUS:** None.

**RCRA STATUS:** Should be managed as a Hazardous Waste. (EPA Hazardous Waste No. D0001)  
40 CFR 261.20-24

## 16. OTHER INFORMATION

### HMIS INFORMATION:

<b>Health:</b>	1
<b>Flammability:</b>	2
<b>Reactivity:</b>	0
<b>Protective:</b>	G

### OTHER ADDITIONAL INFORMATION:

#### DISCLAIMER:

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