



#### **SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

	Method Used		<u>LEL</u>	<u>UEL</u>
FLASH POINT	22 X °F °C	T.C.C.	FLAMMABLE LIMITS	0.90% 36.00%

**EXTINGUISHING MEDIA** CO2, dry chemical, foam, or other National Fire Protection Association (NFPA) approved method for treating a Class B fire.

**SPECIAL FIRE FIGHTING PROCEDURES** Summon professional fire fighters. Use full protective equipment including self-contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable. If exposed to fire or extreme heat, water should be used to cool closed containers and prevent pressure build-up or possible auto-ignition.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and flame. Vapors may cause flash fire. Vapors may ignite explosively. Vapors may spread long distances and beyond closed doors. Due to pressure build-up, closed containers exposed to extreme heat may explode. Never use a welding or cutting torch on or near container (even empty) as product or its residue may ignite. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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#### **SECTION V – HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE See Section II OTHER LIMIT See Section II  
PERMISSIBLE EXPOSURE LIMIT See Section II

**EFFECTS OF OVEREXPOSURE** **ACUTE** – **Breathing** – Irritation of the respiratory tract; headache, nausea, dizziness, weakness and fatigue. Extreme exposure can result in unconsciousness and even respiratory arrest. **Eye Contact** – Severe irritant. **Skin Contact** – Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis. **Swallowing** – May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

**CHRONIC**: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTES OF ENTRY** Inhalation, skin contact, swallowing.

**EMERGENCY AND FIRST AID PROCEDURES** **If Breathed** – If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, summon medical assistance immediately. If breathing ceases, restore using approved CPR techniques and summon medical assistance immediately. **If In Eyes** – Flush immediately with large amounts of water for at least 15 minutes. Get medical assistance. **If On Skin** – Wash affected areas with soap and water. Remove soiled clothing. Get medical assistance if irritation persists. Wash clothing before reuse. **If Swallowed** – INDUCE VOMITING. Give warm water and repeat until vomit fluid is clear. Contact a physician immediately.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE** None when used in accordance with Special Protection Information (Section VIII).

**WARNING**: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

### **SECTION VI – REACTIVITY DATA**

**STABILITY** UNSTABLE **CONDITIONS TO AVOID** Heat, sparks, flame.  
STABLE **XX**

**INCOMPATIBILITY** (materials to avoid) Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS** Thermal decomposition may yield carbon monoxide and carbon dioxide.

**HAZARDOUS** MAY OCCUR **CONDITIONS TO AVOID** None  
**POLYMERIZATION** WILL NOT OCCUR **XX**

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### **SECTION VII – SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** Remove all sources of ignition (flames, hot surfaces, and electrical, static or frictional sparks). Do not smoke. Prevent breathing vapors. Ventilate area. Before attempting clean-up, refer to hazard caution information in other sections of this material safety data form. Dike and contain spilled material and remove with inert absorbent and non-sparking tools. Store in closed container until properly disposed of.

**WASTE DISPOSAL METHOD** Dispose of in accordance with local, state, and federal regulations. Incinerate only in approved facility. Do not incinerate closed containers.

**CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)** One pound or refer to Section 311 Clean Water Act.

**RCRA Hazardous Waste No. (40 CFR 261.33)** D-001, F-005 Note: Numbers apply to thinner blend only.

**VOLATILE ORGANIC COMPOUND (VOC)** per 40 CFR 5100.100 (s)

Actual (pounds VOC per gallon of product):

Less water and Exempt Solvents:

5.855 lb/gal

6.885 lb/gal

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### **SECTION VII – SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION** When used in restricted ventilation area, wear NIOSH/MSHA approved chemical/mechanical filters designed to remove a combination of particulates and vapor. When used in confined areas, wear NIOSH/MSHA approved air supply respirators or hoods. Follow respirator manufacturer's directions for respirator use. If respirators are used, a program should be established to assure compliance with OSHA Standard 29 CFR 1910.134.

**VENTILATION** Use only with adequate ventilation. Use either local exhaust or mechanical to meet TLV requirements. Ventilation must be sufficient to limit employee exposure at, or below, applicable health and safety standard. Heavy solvent vapors should be removed from lower levels of work area.

**PROTECTIVE GLOVES** Neoprene or equivalent.

**EYE PROTECTION** Solvent resistant safety eyewear with splash guards.

**OTHER PROTECTIVE EQUIPMENT** Eye bath and safety shower. Solvent impermeable clothing to prevent skin contact

**SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** Keep away from heat, sparks and flame. Do not smoke. Extinguish all pilot lights and turn off all sources of ignition including heaters, fans and other non-explosion-proof electrical equipment, during use and until all vapors are gone. Vapors may ignite explosively. Vapors may spread long distances and beyond closed doors. Prevent build-up of vapors by maintaining continuous flow of fresh air. Do not store above 120°F or near fire or open flame. Store large quantities in buildings to comply with OSHA 1910.106. Keep container closed when not in use. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.

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