

*Millennium Signatures*  
MARKING SYSTEMS

www.millenniumsignatures.com  
info@millenniumsignatures.com

**Emergency Numbers**

**Canutec: (613) 996-6666**  
**Poison ControlCentre:**

**Revised:** February 1st, 2008  
Page 1 of 4

## **MATERIAL SAFETY DATA SHEET**

### **Section I**

**Chemical Name:** 73XNW Reconditioner

**V.O.C.** 828 grams/litre

**HMIS CODES:** H F R P

2 3 0

### **Section II**      **Hazardous Ingredients/ Identity Information**

Chemical Names	Occupational Exposure Limits			Vapor Pressure		
	CAS#	OSHA	PEL	ACGIH TLV	WT.%	mm Hg @ Temp
Isopropanol; Anhydrous	67-63-0	400		400	17%	31 @ 20°C
*Butoxy Diglycol	112-34-5		N/E	N/E	>20%	0.01 @ 20°C
Ethanol	64-17-5	1000		1000 60%		25 @ 20°C
* Monohydroxymethane	67-56-1	200		200	>2.4%	96 @ 20°C

- Those items preceded by an asterisk (\*) are reportable under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

### **Section III**      **Physical/ Chemical Characteristics**

**Boiling Point:** 175 Degrees (F)

**Specific Gravity:** 0.8319

**Weight Per Gallon:** 6.91

**% Volatile Rate:** 100%

**Vapor Density:** 2.58

**Evaporation Rate:** N/E

**Solubility in Water:** Negligible

**Appearance & Odor:** Water White, Slight Odor

**Section IV            Fire and Explosion Hazard Data**

**Flash Point:** 57°F

**Method Used:** TCC

**Flammable Limits in Air by Volume:**     **Lower: 2.4    Upper: 14.5**

**Extinguishing Media:** Alcohol foam, CO2, dry chemical, water fog. Do not use direct stream of water. Product will float and can be reignited on surface of water.

**Unusual Fire & 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.

**Special Fire Fighting Procedures & Precautions:** Clear fire area of unprotected personnel. Do not enter confined fire space without using self-contained breathing apparatus and protective clothing.

**Section V            Health Hazard Data**

**Skin Contact:** Liquid is irritating. Prolonged or repeated contact can result in defatting and drying of the skin, which may result in dermatitis.

**Eye Contact:** Can cause immediate pain and irritation if splashed into eyes. High concentrations may be irritating.

**Inhalation:** Vapors may be irritating to the nose, throat and respiratory tract. High vapor concentrations may produce CNS (Central Nervous System) depression.

**Ingestion:** May result in vomiting; aspiration of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**Signs and Symptoms of Exposure:** Early – moderate CNS depression may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness or death may occur. Aspiration pneumonitis may be evidenced by labored breathing and cyanosis. Medical Conditions Aggravated By Exposure; Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

**Other Health Effects:** Intentional abuse, misuse, or other massive exposure may cause multiple organ damage and/or death.

**Emergency and First Aid Procedures:**

**Eye Contact:** Flush immediately with water for 15 minutes. Get medical attention.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Do not re-use clothing until cleaned

**Inhalation:** Remove to fresh air. Restore breathing. Get medical attention.

**Ingestion:** Do not give liquids if victim is unconscious or drowsy. Otherwise, give 2 glasses of water and induce vomiting by giving 2 tbsp. Syrup of Ipecac\* or by touching finger to back of victims throat.

**NOTE TO PHYSICIAN:** If victim is a child give 1 glass of water and 1 tbsp Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubations with a cuffed end tracheal tube.

## **Section VI**      **Reactivity Data**

**Stability:** Stable                      **Conditions to Avoid:** Heat, sparks and open flame

**Incompatibility (Materials to Avoid):** Contact with strong oxidizing agents.

**Hazard Polymerization:** Will not occur

**Hazardous Decomposition Products:** Thermal decomposition may yield carbon monoxide

**Conditions to Avoid:** N/A

## **Section VII** **Precautions for Safe Handling and Use**

**Steps to be taken in case material is released or spilled:** Avoid eye or skin contact. Place leaking containers in well-ventilated area. Eliminate ignition sources. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean spill, flush area sparingly with water or use an absorbent. Avoid run-off into storm sewers and ditches, which lead to natural waterways. All clean up and disposal should be carried out in accordance with federal and local regulations. If required, local authorities should be notified.

**Waste Disposal:** Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal or local disposal authorities for approved procedures.

## **Section VIII**      **SPECIAL PROTECTION PROCEDURES**

**Respiratory Protections (specify type):** Use full-face NIOSH-approved organic vapor cartridge or canister respirator within use limitations of these devices; in all other situations, use self-contained breathing apparatus (SCBA), when concentrations exceed the PEL or ACGIH values as shown in section II.

**Ventilation:**

**Local Exhaust:** Recommended when appropriate to control employee exposure.

**Protective gloves:** Neoprene or rubber

**Mechanical (General):** Not recommended as the sole means of controlling employee exposure.

**Other protective clothing or equipment:** For operations where spills or splashing can occur, use impervious body covering and boots. A safety shower and eye bath should be available.

**Section IX      SPECIAL PRECAUTIONS**

Keep liquid away from heat, sparks and open flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of spark or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from handling point flash-fire can result. Keep containers tightly closed when not in use. Use adequate ventilation. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near the containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Store in cool dry place with adequate ventilation. Keep away from open flames and high temperatures. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before re-use.

**Section X      TRANSPORTATION REQUIREMENTS**

Department of Transportation Classification: Flammable Liquid  
D.O.T. Proper Shipping Name: Ethyl Alcohol U.N. 1170

**\*\*\*We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the applications of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.**