

MATERIAL SAFETY DATA SHEET

NOBLEWELD[®]100

1. General

Trade Name	NOBLEWELD [®] 100	Date Prepared:	5/01/10
Manufacturer's Name	Marsh Laboratories		
Address	2437 Waverly Avenue Pittsburgh, PA 15218		
Emergency Telephone Number	(412) 271-3060		
Telephone Number for Information	(412) 271-3060		

2. Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (optional)
Tetrahydrofuran CAS #109-99-9	200 ppm	200 ppm	STEL 250 ppm	40-50
Methyl Ethyl Ketone CAS #78-93-3	200 ppm	200 ppm	300 ppm	40-50
Cyclohexanone CAS #108-94-1	50 ppm	25 ppm	-	5-10
NON HAZARDOUS COMPONENTS				
CPE Resin	N/A	N/A	N/A	1-2

3. Physical/Chemical Characteristics

Boiling Point 151°F. (66°C.)	Specific Gravity (H₂O = 1) 0.90 @ 60/60°F. (16°C.)	Vapor Pressure (mm Hg.) 190 MMH @ 77°F. (25°C.)	Melting Point N/A
Vapor Density (AIR = 1) 2.49	Evaporation Rate (Butyl Acetate = 1) 5.5 - 8	Solubility in Water 74%	
Appearance and Odor	Water-White Liquid, Ethereal odor		
VOC Statement:	650 grams per liter		

4. Fire and Explosion Hazard Data

Flash Point (Method Used) 7°F. (-13.9°C.)	Flammable Limits 77°F. (25°C.)	LEL 1.8	UEL 11.8
Extinguishing Media Alcohol Foam, Dry Chemical, Carbon Dioxide.			
Special Fire Fighting Procedures Low flash point, high evaporation rate. Vapor heavier than air and will collect in containers, inaccessible areas, etc.			
Unusual Fire and Explosion Hazards None			

5. Reactivity Data

STABILITY	Unstable	Conditions to Avoid
	Stable X	N/A
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	N/A

6. Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes
Health Hazards (Acute and Chronic)			
Eyes: Can cause some irritation. Skin: Can cause defatting and moderate toxic effects. Ingestion: Toxic – may cause liver and kidney damage. Inhalation: Nose and throat irritation. Prolonged exposure may result in nausea, dizziness, headache or even narcosis.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No
Signs and Symptoms of Exposure			
See Health Hazards Above			
Medical Conditions Generally Aggravated by Exposure			
Pre-Existing Skin Conditions			
Emergency and First Aid Procedures			
Eyes: Flush immediately with water for 15 minutes. Seek immediate medical attention. Skin: Wash with soap and water. Ingestion: Do induce vomiting. Keep person warm and quiet and seek immediate medical attention. Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Seek medical attention.			

7. Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Eliminate all ignition sources. Avoid contact with skin. Avoid breathing vapors. Keep out of eyes. Dike area to contain spill. Do not allow material to enter sewers. Pump into containers with explosion proof chemical pump, soak up with absorbent material or allow to evaporate.
Waste Disposal Method
Liquid and absorbent materials used to absorb liquid must be handled with care to avoid flame risk. Use tight closing metal containers for storage and transporting. Dispose of in accordance with Federal, State and local regulations.
Precautions to Be Taken in Handling and Storing
Exercise reasonable care and caution. Keep from all ignition sources (sparks, open flame, pilot lights, etc.). Use explosion proof motors and ventilation in areas where vapors may be present.
Other Precautions
Extremely flammable vapors. Harmful or fatal if swallowed.

8. Control Measures

Respiratory Protection (Specify Type)	
Use self-contained respiratory equipment if TLV is exceeded.	
VENTILATION	Local Exhaust
	Yes
Protective Gloves	Eye Protection
Rubber or PVA Gloves	Goggles or Chemical Safety Glasses
Other Protective Clothing or Equipment	
Protective Apron	
Work/Hygienic Practices	
USE GOOD INDUSTRIAL HYGIENE PRACTICES.	

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