

Material Safety Data Sheet

DERMA-SEAL
Quick Identifier
Common Name (Used on label and list)

SECTION 1

Manufacturer's Name	Hydrol Chemical Company	Emergency Telephone No.	Day - (800) 345-8200 Night - CHEMTREC (800) 424-9300
Address	520 Commerce Drive	Information Calls	(800) 345-8200
City, State, and Zip	Yeadon, PA 19050	Date Prepared	8/98
Signature of Person Responsible for Preparation (Optional)	_____		

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV 1D1H 302	SARA SECTION 313	CAS NO.
Ethyl Ether	400 PPM 1200Mg/M	19000PPM		60-29-7
Methanol	200 PPM	200PPM		67-56-1
Nitrocellulose	N/E (Not Established)			9004-70-0
Flammable Liquid				
EPA Hazardous Waste	RQ 1 lb			

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	94°F	Specific Gravity (d₄²⁰)	0.7135	Vapor Pressure (mm Hg)	442
Solubility in Water	7.5%	Vapor Density (Air=1)	2.56	Reactivity in Water	Coagulates
Appearance and Odor	Reddish Liquid, Ether Odor		Melting Point	N/A	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	-49°C	Method Used	C.C.	Flammable Limits in Air % By Volume	LEL Lower 1.85% UEL Upper 36.0%
Auto-ignition Temperature	320°F	Extinguisher Media	CO ₂ , Dry Chemical, Foam, Water Spray		
Special Fire Fighting Procedures	Wear self-contained breathing apparatus (SCBA), full protective clothing, cool containers with water.				
Unusual Fire and Explosion Hazards	Highly Flammable, Volatile, Low flash point. Can form explosive peroxides when heated. Heavy Vapors can travel to ignition source.				

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid	Heat, spark, flame, static charge. Evaporation to, or near dryness.
Incompatibility (Materials to Avoid)	Oxidizers, Heat, Any ignition sources, Strong acids and alkalis.		
Hazardous Decomposition Products	Explosive Peroxides.		
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid	Heat, CO ₂ , Sunlight, Long Standing, Static charge, Evaporation to or near dryness.

SECTION 6 - HEALTH HAZARDS

Acute	Overexposure may cause drowsiness, vomiting, unconsciousness, respiratory failure.	1. Chronic	Medical conditions generally activated by over-exposure, skin, respiratory, liver, kidney function.
Signs and Symptoms of Exposure			
Medical Conditions Generally Aggravated by Exposure			
Chemical Listed as Carcinogen or Potential Carcinogen		National Toxicology Program	Yes <input type="checkbox"/> No <input type="checkbox"/>
		I.A.R.C.	Yes <input type="checkbox"/> No <input type="checkbox"/>
		OSHA	Yes <input type="checkbox"/> No <input type="checkbox"/>

EMERGENCY AND FIRST AID PROCEDURES	1. INHALATION	Remove to fresh air, artificial respiration. Seek immediate medical aid.
	2. EYES	Wash with water 15 minutes. Seek medical aid if irritation persists.
	3. SKIN	Wash with soap and water. Remove contaminated clothing. Wash before reuse.
	4. INGESTION	Induce vomiting if conscious. Seek immediate medical aid.

ROUTES OF ENTRY	1. INHALATION	Yes, Narcotic.
	2. EYES	Vapor mildly irritating.
	3. SKIN	Contact may cause dermatitis.
	4. INGESTION	May cause death through respiratory failure.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	Keep away from heat, sparks, flame, sunlight, static charge, oxidizers. Avoid breathing vapors, skin and eye contact.
Other Precautions	Observe all precautions when handling empty containers, may be shock sensitive.
Steps to be Taken in Case Material is Released or Spilled	Eliminate ignition sources. Reduce vapors with water spray. Residue will coagulate.
Waste Disposal Methods (Consult federal, state, and local regulations)	Comply with Federal, State and Local Regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type)	NIOSH approved organic vapor if TLV is exceeded.			
Ventilation	Local Exhaust	Explosion Proof	Mechanical (General)	Special
Protective Gloves	Rubber		Eye Protection	Chemical Safety Goggles.
Other Protective Clothing or Equipment	Eye Wash, Safety Shower, Spill Absorbent.			
Work/Hygiene Practices	Always wash hands before eating, smoking, etc.			

SECTION 9 - OTHER INFORMATION

DOT HAZARD CLASS:	3-FLAMMABLE	UN NUMBER:	UN1993
NFPA HAZARD CLASS:	HEALTH: 2		
	FLAMMABILITY: 3		