

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
<b>NFPA Rating:</b> Health-2; Flammability-1; Reactivity-0; Special-			<b>HMIS Rating:</b> Health-2; Flammability-1; Reactivity-0; Personal Protection-B			
<b>DOT Hazard Classification:</b> NON-HAZARDOUS						
<b>FDA:</b> This product is approved under the following FDA (21 CFR) sections: Unknown.						
Manufacturer's Name: <b>AmSolv Manufacturing Company.</b> Address: 1803 Howard Road Waxahachie, TX 75165			<b>Identity</b> (trade name as used on label): <p style="text-align: center;"><b>AmTherm 9040</b></p>			
Date Prepared: 2005-07-05		Prepared By: STH		<b>MSDS Number:</b> WC9040      Revision - 1		
Information Calls: 1 (972) 938-1401 EMERGENCY RESPONSE NUMBER: 1 (972) 938-1410 (International)			<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHYLENE GLYCOL		107-21-1	Yes	50	100	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> 387°F			<b>Specific Gravity</b> (H <sub>2</sub> O=1): 1.10			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/D			
<b>Vapor Density</b> (Air = 1): N/D			<b>Evaporation Rate</b> (water = 1): Nil			
<b>Solubility in Water:</b> Soluble			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Dark fluorescent yellow with glycol odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A      % UEL: N/A		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): 230°F TCC			<b>EXTINGUISHER MEDIA:</b> Use CO <sub>2</sub> or dry chemical.			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus & protective equipment when exposed to vapors..						
<b>Unusual Fire &amp; Explosion Hazards:</b> Foam or water can cause frothing..						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
<b>Incompatibility</b> (Mat. to avoid): Sulfuric acid, strong oxidizers, acetic anhydride.			<b>Conditions to Avoid:</b> Open ignition source			
<b>Hazardous Decomposition Products:</b> Oxides of carbon.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b>						
<b>Inhalation:</b> Mists or vapors can cause mental sluggishness, accumulations of fluid in the lungs, bronchial pneumonia.						
<b>Eye Contact:</b> Vapors can cause mild irritation.			<b>Skin Contact:</b> Essentially non-irritating.			
<b>Ingestion:</b> Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.						
<b>CHRONIC EFFECTS:</b> No known adverse effect..						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Unlikely to aggravate existing medical conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. Contact physician as needed.						
<b>Skin Contact:</b> Wash with soap and water. Contact physician as needed.						
<b>Inhalation:</b> Remove to fresh air..						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> No harmful effects expected.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None required.						
<b>Protective Gloves:</b> Neoprene or rubber.			<b>Eye Protection:</b> Chemical goggles or face shield.			
<b>Ventilation Requirements:</b> Normal ventilation is adequate.						
<b>Other Protective Clothing &amp; Equipment:</b> Impervious body coverings and boots. Eyewash station and safety shower.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Eliminate ignition sources. Place leaking containers in well ventilated area.						
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping container. Keep container closed when not in use. Protect from extreme heat and cold. Shelf life one year. Keep away from open flames/ignition sources.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Read and follow label directions.						

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only