

Material Safety Data Sheet

HARDENING COMPOUND

Quick Identifier
Common Name (Used on label and list)

SECTION 1

Manufacturer's Name: Hydrol Chemical Company
 Address: 520 Commerce Drive
 City, State, and Zip: Yeadon, PA 19050
 Emergency Telephone No.: Day - (800) 345-8200
 Night - CHEMTREC (800) 424-9300
 Information Calls: (800) 345-8200
 Signature of Person Responsible for Preparation (Optional): _____
 Date Prepared: 8/08

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Sara Section 302	313	% (Optional)	CAS NO.
Paraformaldehyde	0.75 PPM	0.75 PPM	<1			110-88-3
Potassium Aluminum Sulfate	Not Established					10043-67-1
Other Ingredients Classified as Non Hazardous						

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	N/A	Vapor Pressure (mm Hg)	N/A
Solubility in Water	50%	Vapor Density (Air=1)	>1	Reactivity in Water	None
Appearance and Odor	White Powder, Pungent odor.		Melting Point	50 to 170°C	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	150°C	Method Used	TCC	Flammable Limits in Air % By Volume	LEL Lower	Unknown	UEL Upper	Unknown
Auto-Ignition Temperature	Unknown	Extinguisher Media	CO ₂ , Dry chemical, Water					
Special Fire Fighting Procedures	Wear self contained breathing apparatus (SCBA) and full protective clothing.							
Unusual Fire and Explosion Hazards	Burning can form SO ₂ , CO, CO ₂ , and Formaldehyde Gas.							

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable Stable	z	Conditions to Avoid	Strong Oxidizers, Alkalies and Acids.
Incompatibility (Materials to Avoid)	See Stability.			
Hazardous Decomposition Products	See Unusual Fire Hazards.			
Hazardous Polymerization	May Occur Will Not Occur	z	Conditions to Avoid	

SECTION 6 - HEALTH HAZARDS

Acute: _____
 2. Chronic: _____
 Signs and Symptoms of Exposure: Formaldehyde is listed as a possible carcinogen.
 Medical Conditions Generally Aggravated by Exposure: _____
 Chemical Listed as Carcinogen or Potential Carcinogen: _____
 National Toxicology Program: Yes No
 I.A.R.C. Monographs No: Yes No
 OSHA: Yes No

1. INHALATION: Remove from contaminated area, restore breathing. Seek immediate medical aid.
 2. EYES: Wash with water 15 minutes. Seek immediate medical aid.
 3. SKIN: Wash with soap and water. Remove contaminated clothing. Wash before reuse.
 4. INGESTION: Drink 2-3 glasses of water. Induce vomiting. Seek immediate medical aid.

1. INHALATION: Inflammation of mucous membranes, respiratory passages, and broncho-pneumonia.
 2. EYES: Can cause irreversible burn damage, tears, and burning sensation.
 3. SKIN: Causes drying, cracking, peeling, and tanning.
 4. INGESTION: Poisonous. Can cause nausea, vomiting, stupor, and death.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Observe normal storage and handling instructions.
 Other Precautions: Avoid breathing dust.
 Steps to be Taken in Case Material is Released or Spilled: Wear proper protective clothing and dust mask. Sweep up. Rinse residue with water. Soak up with Formasorb.
 Waste Disposal Methods (Consult federal, state, and local regulations): Observe all Federal, State and Local Regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type): NIOSH Dust.
 Ventilation: Local Exhaust Recommended Mechanical (General) Special Other
 Protective Gloves: Rubber Eye Protection Chemical Safety Goggles.
 Other Protective Clothing or Equipment: Eye Wash, Safety Shower, Spill Absorbent.
 Work/Hygenic Practices: Always wash hands before eating, smoking, etc.

SECTION 9 - OTHER INFORMATION

DOT HAZARD CLASS: NON HAZARDOUS UN NUMBER: NA
 NFPA HAZARD RATING: HEALTH: 2 FLAMMABILITY: 1