

# Material Safety Data Sheet

**GUARD-25Ib**  
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	10/10

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (Optional)	CAS NO.
Para Formaldehyde "C"	0.75 PPM	0.75 PPM	CELANESE 0.75 PPM		30525-89-4
Para Dichlorobenzene	75 PPM	75 PPM			106-46-7

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	Slowly sublimes to Formaldehyde Gas	Specific Gravity (H <sub>2</sub> O=1)	1.4	Vapor Pressure (mm Hg)	1
Solubility in Water	50%	Vapor Density (Air=1)	>1	Reactivity in Water	None
Appearance and Odor	White Powder, Pungent Odor	Melting Point	53-170°C		

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	150°F	Method Used	TCC	Flammable Limits in Air % By Volume	LEL Lower	UCL Upper	Unknown
Auto-Ignition Temperature	Unknown	Extinguisher Media	CO <sub>2</sub> , Dry chemical, Water Spray				
Special Fire Fighting Procedures	Wear self contained breathing apparatus (SCBA) and full protective clothing.						
Unusual Fire and Explosion Hazards	Burning can form, Hydrogen Chloride, Phosgene, Formaldehyde Gases.						

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable Stable	z	Conditions to Avoid	Open flames, hot glowing surfaces, or electric areas.
Incompatibility (Materials to Avoid)	Strong oxidizers, strong alkalies, isocyanates, anhydries.			
Hazardous amounts Decomposition Products	Carbon monoxide and Dioxide, Formaldehyde Gas, Hydrogen Chloride, small of Phosgene Gas.			
Hazardous Polymerization	May Occur Will Not Occur	z	Conditions to Avoid	None.

## SECTION 6 - HEALTH HAZARDS

Acute carcinogen	Inflammation of Mucous Membranes, Dermatitis, Broncho Pneumonia.	2. Chronic	Formaldehyde	possible
Signs and Symptoms of Exposure	Inflammation of eyes, skin, nasal passages, broncho pneumonia.			

Medical Conditions Generally Aggravated by Exposure: Unknown.

Chemical Listed as Carcinogen or Potential Carcinogen:  Formaldehyde

Seek aid: **EMERGENCY AND FIRST AID PROCEDURES**

1. INHALATION	Remove from contaminated area. Restore breathing. immediate medical aid.
2. EYES	Wash with water 15 minutes. Seek immediate medical aid.
3. SKIN	Wash with water. Remove contaminated clothing. Wash before reuse.
4. INGESTION	Give 2 glasses of water. Induce vomiting. Seek medical aid.

Routes of Entry: immediate

1. INHALATION	Inflammation of lining of nose, throat and lungs. pneumonia.
2. EYES	Can cause irreversible burn damage. Vapor causes irritation, tearing, and burning sensation.
3. SKIN	Causes drying, cracking, peeling, and tanning.
4. INGESTION	Poisonous. Can cause blindness, nausea, stupor, vomiting and death.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: protective

Protect containers from physical damage. Store in cool, dry, well-ventilated area. Do not mix with other chemicals. Avoid breathing vapor. Wear proper clothing.

Other Precautions: None.

Steps to be Taken in Case Material is Released or Spilled: Sodium Sulfite

Waste Disposal Methods (Consult federal, state, and local regulations): Obey all local, state and federal disposal regulations.

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type): NIOSH Formaldehyde or SCBA.

Ventilation	Local Exhaust	To maintain below TLV	Mechanical (General)	Special	Other
Protective Gloves	Neoprene or Rubber		Eye Protection	Chemical Safety Goggles.	
Other Protective Clothing or Equipment	Rubber or Neoprene Apron and Boots, Eye Wash Station, Safety Shower.				

Work/Hygenic Practices: Always wash thoroughly after using chemical.

## SECTION 9 - OTHER INFORMATION

DOT HAZARD CLASS: 4.1 UN NUMBER: UN1325

NFPA HAZARD RATING: HEALTH: 2 FLAMMABILITY: 1