



Material Safety Data Sheet

HARD HAT™

1. Chemical Product and company Identification

Product Name: Adhesive R&D Hard Hat™
Product Type: High Strength Pipe Sealant
Product Number: 57721, 57731, 57741, 57761

2. Composition, Information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>%</u>
Proprietary methacrylate ester	Proprietary	10-20
Polyglycol dimethacrylate	25852-47-5	40-80
Hydroxyalkyl methacrylate	27813-02-1	10-30
Silica, amorphous, fumed	112945-52-5	2-7
Cumene Hydroperoxide*	80-15-9	1-3
Proprietary surfactant	Proprietary	5-10
Saccharin	81-07-2	1-3

*This component is listed as a SARA Section 313 toxic chemical.

<u>Exposure Limits (TWA)</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>Other</u>
<u>Ingredients</u>	<u>(TLV)</u>	<u>(PEL)</u>	
Cumene Hydroperoxide	None	None	1ppm(6mg/m3) Skin (Weel)

3. Hazards Identification

Toxicity: Severe eye irritant. Moderate skin irritant. Possible inhalation irritant. May be harmful if swallowed.
Primary Routes of entry: Skin, eyes, inhalation, ingestion
Signs and symptoms of Exposure: May cause severe dermatitis on prolonged contact in sensitive individuals
Existing Conditions Aggravated by Exposure: None known

4. First aid measures

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Does not apply
Skin Contact: Wash with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. Fire Fighting Measures

Flash Point: More than 200°F
Method: Tag Closed Cup
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Fire fighting Procedures: Not available
Hazardous Products formed By fire or Thermal Decomp: Irritating organic vapors
Unusual Fire or Explosion Hazards: None
Explosive Limits:
 (% by volume in air) Lower Not available
 (% by volume in air) Upper Not available

6. Accidental Release Measures

Steps to be taken in case of spill or leak: Maintain adequate ventilation. Soak up in an inert absorbent. Store in partly filled closed container until disposal.

7. Handling and Storage

Safe Storage: Store below 100°F
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not breath vapors.

8. Exposure Controls, Personal Protection

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below TLV.
Respiratory: OSHA approved respirator if ventilation is inadequate.

9. Physical and Chemical Properties

Appearance: Bright Yellow paste
Odor: Mild
Boiling Point: More than 300°F
Ph: Does not apply
Solubility in Water: Slight
Specific Gravity 1.11 at 80°F
Volatile Organic Compound (EPA Method 24) 38.4%; 426 grams per liter
Vapor Pressure: Less than 5mm at 80°F
Vapor Density: Not available
Evaporation Rate Not available

10. Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to avoid: Not available
Hazardous decomposition Products (non-thermal): None

11. Toxicological Information

Oral LD50 more than 1000 mg/kg
Estimated dermal LD50 more than 200 mg/kg.

12. Ecological Information

No data available

13. Disposal Considerations

Recommended methods of Disposal: Incinerate following EPA and local regulations
EPA Hazardous Waste Number: NH – Not a RCRA Hazardous Waste Material

14. Transportation Information

DOT (49 CFR 172)

Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. Regulatory Information

CA Proposition 65: Warning this product contains chemicals known to The State of California to cause cancer and birth defects or other reproductive harm. Propylene oxide (ppb levels of arsenic, Cd, Pb, Ni). This product contains Saccharin. No Prop 65 hazard warning is necessary if this product is used as reasonably anticipated.

16. Other Information

Estimated NFPA® Code:
Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS® Code:
Health Hazard: 1*
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See section 8.

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HMIS® is a registered trademark of the National Fire Protection Association

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