



HAWK SYSTEM SLOW CURE CATALYST

HS-26

Safety Data Sheet

Higher Temperature Slow Cure Catalyst

- Extended Working Time
- High-Strength Bonding

CHEMTREC 24-HR EMERGENCY RESPONSE NUMBER
800-424-9300 • OUTSIDE US 703-527-3887

CHEMTREC should only be called in the event of chemical emergencies involving spill, leak, fire, exposure, or accident involving chemicals.



Premium Quality
Epoxy Catalyst



OVER
35
YEARS

Sect. 1 – Product Identification

Product Name: **HS-26 Slow Cure Catalyst**
Product Use: **Yacht Repair**
Appearance: **Liquid amber amine**
Cas Number: **Mixture**

Synonyms: **Modified aliphatic polyamine**
Revision Date: **December 2013**
Prepared by : **VP RD&I**

Sect. 2 – Hazardous Identification

EMERGENCY OVERVIEW: DANGER! Causes burns to eyes and skin. Harmful if swallowed and absorbed through the skin may be harmful if inhaled. May be cause allergic reaction. Amber colored liquid with ammonia odor.

EYES CONTACT: Moderate to severe irritation with possible tissue damage. Concentrated vapors can be absorbed in eye tissue and cause eye injury. Contact causes discomfort and possible corneal injury or conjunctivitis.

ACUTE SKIN CONTACT: May cause strong irritation, redness. Possible mild corrosion.

CHRONIC SKIN CONTACT: Prolonged or repeated contact may cause an allergic reaction and possible sensitization in susceptible individuals. Large dose skin contact may result in material being absorbed in harmful amounts.

ACUTE INHALATION: May cause respiratory tract irritation. Coughing and chest pain may result.

SYMPTOMS OF OVEREXPOSURE: Respiratory tract irritation. Skin irritation and redness. Possible allergic reaction seen as hives and rash. Eye irritation. Possible liver and kidney disorders upon long term skin absorption overexposures.

INGESTION: Single dose oral toxicity is moderate. May cause gastrointestinal tract irritation and pain. Aspiration hazard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Chronic respiratory disease, asthma. Eye disease. Skin disorders and allergies.

CHRONIC INHALATION: May cause respiratory tract irritation, coughing, sore throat, shortness of breath or chest pain.

HMIS Rating: Health: 3 Flammability: 1 Reactivity: 0



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Sect. 3 – Composition/information on ingredients

Hazardous Components	Cas Number	Percentage Range by Weight	Reg Agency	PPM	MG/M3	Notes
Polyoxypropylenediamine	9046-10-0	30-50	ACGIH TLV OSHA-PEL			
Polymer of Epichlorohydrin, bisphenol A, and DETA	31326-29-1	<30				
TETA/DETA	112-24-3/ 111-40-0	<24				
TEPA	112-57-2	<30				
Reaction products of TETA and Propylene oxide	26950-63-0	<12	ACGIH STEL ACGIH-TWA NIOSH NIOSH STEL OSHA STEL OSHA TWA			

Sect. 4 – First Aid Measures

EYE CONTACT: Hold one eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing the eye. Contact a poison control center for treatment advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

INGESTION: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to the material. Treatment should be directed at the control of symptoms and the clinical condition.

Sect. 5 – Fire Fighting Measures

FLASH POINT: >200°F (Open Cup)

EXTINGUISHING MEDIA: Dry chemical, alcohol foam, carbon dioxide (CO₂), dry sand, limestone powder.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel.

FIRE AND EXPLOSION HAZARDS: Can release vapors that form explosive mixtures. Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat (fire). Toxic vapors may be given off in a fire.



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Sect. 6 – Spill and Leak Procedures

Stop spill/leak if no risk involved. Avoid breathing vapor. Eliminate All sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate area. Take up carefully to avoid heat and sparks. Use an inert absorbent to complete a clean-up. This material reacts with oxidizing materials. Dispose of contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

Sect. 7 – Handling and Storage

HANDLING: Use with adequate ventilation. Do not breath vapors or mists from heated material. Avoid exposure to concentrated vapors. Avoid skin contact. Wash thoroughly after handling. When mixed with epoxy resin this product causes an exothermic reaction, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.

STORAGE: Store in cool, dry place away from high temperatures and moisture. Keep container tightly closed.

STORAGE TEMPERATURE (min./max.):40°F (4°C) / 90°F (32°C).

Sect. 8 – Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this product should be equipped with and eyewash station and shower.

RESPIRATORS: Ensure fresh air entry during the application and drying. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, or if air monitoring demonstrates vapor level is above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved or equivalent) during and after application. Respirator selection, use and maintenance should be in accordance with the requirements in 29 CFR 1910.134 and NIOSH 42 CFR 84, whenever workplace conditions warrant a respirator's use.

PERSONAL PROTECTIVE EQUIPMENT: Industrial safety glasses at a minimum. As necessary for work conditions: use side shields, goggles, or faceshield. As required, chemical resistant flexible-type gloves (heavy duty neoprene or equal). Wear industrial type-work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear resistant protective garments such as head/neck cover, aprons, jackets, paints, coveralls, boots, etc.

Sect. 9 – Physical and Chemical Properties

Weight Per Gallon: 8.38 LBS %
Vapor Pressure: <1 mmHg @ 20C
pH: Alkaline
Solubility in Water: Appreciable
Odor: Ammonia-like

Volatile by Weight: 0.08 lb/gal (ASTM 2369-07) mixed
Vapor Density: Heavier than air
Specific Gravity: 1.01
Viscosity: 60-70 KU
Color: light-yellow

Sect. 10 – Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibility: Avoid oxidizing agents, heat, sparks, and open flames.

Hazardous Decomposition Product(s): Carbon monoxide, carbon dioxide, oxides of nitrogen and other toxic organic compounds.

Sect. 11 – Toxicological Information

No specific oral, inhalation or dermal toxicology data is known for this product.

Oral, Inhalation and Dermal. (Expected to be moderately toxic)

Adsorption of phenolic solutions through the skin may be very rapid and can cause death. Lesser exposures can cause damage to the kidney, liver, pancreas and spleen; and cause edema of the lungs.

Sect. 12 – Ecological Information

Product has not been tested for ecotoxicity.

Sect. 13 – Disposal Considerations

Dispose of unusable product in accordance with local, state, and federal regulations.

Sect. 14 – Transportation Information

DOT Non– Bulk

Shipping name: Polyamine, I,c,nos
Technical shipping name: propylenediamine
Hazard Class: class 8
U.N./N.A Number: UN 2735
Packing Group: PG II
Marine Pollutant: No

IMDG

Shipping name: Polyamine,I,c,nos
Technical shipping name: Propylenediamine
Hazard class: Class 8
U.N. Number: UN2735
Packaging Group: PGII
EmS Number: F-A,S-B
Marine Pollutant: no

ICAO/IATA

Shipping name: polyamine,I,c,nos
Technical shipping: Propylenediamine
Hazard class: Class 8
U.N. Number: UN2735
Packaging Group: PGII
Marine Pollutant: No

Sect. 15 – Regulatory Information

SARA TITLE III SECTION 313 CHEMICALS: this product contains phenol and is subject to the reporting requirements section 313 title III.

OSHA STATUS: Corrosive; possible sensitizer

TSCA STATUS: All components listed on TSCA inventory or otherwise comply with TSCA requirements

CEPA Chemical Inventory Status: All components are listed or are otherwise compliant with CEPA

STATE REGULATORY INFORMATION: The following chemicals are specifically listed or otherwise regulated by individual states. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME(CAS#)

TEPA (112-57-2)
TETA (112-24-3)
Phenol(111-40-0)

CONCENTRATION

STATE CODE

MA, NJ, PA
MA, NJ, PA
NJ, RI, PA, MA, IL

Globally Harmonized System:



Corrosive



Irritant



Health Hazard



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Sect. 16 – Other Information

Ethylbenzene is considered a Group 2B carcinogen (possibly carcinogenic to humans). This category generally includes agents for which there is limited evidence in humans in the absence of sufficient evidence in experimental animals.

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