



Product Name: **hawk Epoxy R1**

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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.

## 1. Product Identification

Product Name: **Hawk Epoxy R1**  
Product Use: **Yacht Repair**  
Appearance: **Liquid clear epoxy**  
Cas Number: **Mixture**  
Synonyms: **Bisphenol A based epoxy Resin**

Revision Date: **March 2014**  
Prepared by : **VP RD & I**

## 2. Hazardous Identification

EMERGENCY OVERVIEW: WARNING! Colorless liquid and may cause allergic skin reaction.

EYE CONTACT: May cause slight eye irritation. Not expected to cause permanent damage if promptly rinsed from eyes.

SKIN CONTACT: May cause skin irritation. Prolonged and/or repeated skin contact may cause irritation characterized by redness, cracking and blistering.

INHALATION: May cause respiratory tract irritation. Exposure to high concentrations may cause central nervous system effects, including headache, drowsiness, nausea, and dizziness.

INGESTION: Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations

CHRONIC: Reports have associated repeated or prolonged occupational exposure are not anticipated to cause any significant adverse effects.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin, eyes.

HMIS Rating: Health: 2 Flammability: 1 Reactivity: 0

**3. Composition/Information on Ingredients**

Hazardous Component	Cas Number	Percentage Range by Weight	Reg Agency	PPM	Notes	MG/M3	Notes
Mixture of Bisphenol -A and F type Resin	25085-99-8/28064-14-4	>80	ACGIH STEL ACGIH-TWA NIOSH NIOSH STEL OSHA STEL OSHA TWA			6 5	
Benzyl Alcohol	100-51-6	<20	ACGIH STEL ACGIH-TWA NIOSH NIOSH STEL OSHA STEL OSHA TWA			5 5	

**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.

**5. Fire Fighting Measures**

**FLASH POINT:** >200 F (Pensky-Martens closed cup)

**EXTINGUISHING MEDIA:** Water fog or fine spray, carbon dioxide, dry chemical and foam.

**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:** Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds and are not limited to phenolics, carbon monoxide and carbon dioxide.

**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 hear 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.



## 7. Handling and Storage

**HANDLING:** Avoid use of electric band heaters. Failures of electric band heaters have been reported to cause containers of liquid epoxy resin to explode and catch fire. Application of a direct flame to a container of liquid epoxy can also cause explosion and/or fire.

**STORAGE:** Store in areas/buildings designed to comply with OSHA 1910.106. Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

**STORAGE TEMPERATURE:** Recommended storage temperature is min 40F to 120 F.

## 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 an 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 a 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 face shield. 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, pants, coveralls, boots, etc.

## 9. Physical and Chemical Properties

Weight Per Gallon: 9.52 LBS	Odor: Mild
Vapor Pressure: $9 < 1$ mmHg@ 77F/	vapor density: heavier than air
pH: N/A	Specific Gravity: 1.15
Solubility in Water: None	Viscosity: 65-75 KU
VOC: 0 Grams/Liter	Melting/Freezing point: No data
Color : Clear	

## 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.

## 11. Toxicological Information

**SKIN:** The LD50 for skin absorption in rabbits is 20,000 mg/kg

**INGESTION:** The oral LD 50 for rats is >5,000 mg/kg

**MUTAGENICITY:** Animal mutagenicity studies were negative. In Vitro mutagenicity studies were negative in some cases and positive in others.



## 12. Ecological Information

Product has not been tested for ecological toxicity.

## 13. Disposal Considerations

Dispose of unusable product in accordance with local, state, and federal regulations .Do not dump into sewers, on the ground or wa-

## 14. Transportation Information

DOT Non-- Bulk	IMDG	CAO/IATA
Shipping name: Not regulated	Shipping name: Epoxy	Shipping name: Epoxy
Technical shipping name: N/A	Technical shipping name: Epoxy resin	Technical shipping: Epoxy Resin
Hazard Class: N/A	Hazard class: Class 9	Hazard class: Class 9
U.N./N.A Number: N/A	U.N. Number: UN3082	U.N. Number: UN3082
Packing Group: N/A	Packaging Group: PGIII	Packaging Group: PGIII
	Marine Pollutant: Yes	marine pollutant: yes

## 15. Regulatory Information

SARA TITLE III SECTION 313 CHEMICALS: None

OSHA STATUS: slight irritant

TSCA STATUS: All components listed on TSCA inventory

CEPA Chemical Inventory Status: All components listed on DSL

WHMIS: D2B skin sensitizer

STATE REGULATORY INFORMATION: the following chemicals are regulated by states. For information contact your local agency in your state

Components name ( CAS#)

Concentration

State Code

Epichlorohydrin (106-89-8)

<5 ppm

CA

Benzyl alcohol (100-51-6)

MA,PA,NJ

**EPA REGISTRATION: N/A**

Globally Harmonized System



Irritant



Health Hazard

## 16. Other Information

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