

**SAFETY DATA SHEET**  
**Metzger/McGuire Co. EPOXY HARDENER**

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**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties.**

Appearance	: Liquid
Color	: Red-amber clear
Type of odor	: Ammonia or amine
Vapor density	: >1 (air = 1)
Boiling point	: >200°C
Flash point	: >100C
pH	: Alkaline
Auto ignition temperature	: >300C
Specific gravity	: 1.02 grams / cc
Water solubility	: Slight

**10. Stability and Reactivity**

**10.1 Reactivity:** Reacts with strong acids and strong oxidizing agents.

**10.2 Stability:** Stable.

**10.3 Hazardous polymerization:** Will not occur by itself. Masses of more than one pound of product plus an epoxy resin will cause irreversible polymerization with considerable heat build up.

**10.4 Conditions to avoid:** Keep away from heat and sources of ignition. Do not smoke.

**10.5 Incompatible materials:** Acids, ammonia, carbon oxides, aldehydes and ketones.

**10.6 Hazardous decomposition products:** Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide and ammonia.

**11. Toxicological Information**

**11.1 Acute oral toxicity:** LD50 (rat): >2,000 mg/kg.

**Acute dermal toxicity:** LD50 (rabbit) >1,000 mg/kg

**Acute inhalation toxicity:** Irritating to respiratory system.

**Skin irritation:** Corrosive to the skin. Causes burns.

**Eye irritation:** Corrosive to eyes. Causes burns.

**12. Ecological Information**

**12.1 Acute Toxicity to fish:** No specific data for this product, but probably toxic.

**12.2 Persistence and biodegradability:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

**13. Disposal Considerations**

**13.1 Waste treatment methods:** Do not dump into sewers, on the ground, or into any body of water. Significant quantities of waste product residues should be processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Dispose of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local requirements. Incineration is the preferred method of disposal.

**Container disposal:** Drain container of all residual material prior to disposal. Do not cut with torch.

**14. Transport Information:**

**14.1 DOT Road/Rail:** Class 8 UN1719 PG III Label: Corrosive

**14.2 Proper shipping name:**

Caustic alkali liquids, n.o.s. (Diethylenetriamine, Alkylphenol)

Marine pollutant: Yes

**14.3 Sea transport IMDG-Code:** Class 8 UN1719 PG III Label: Corrosive

**14.4 Proper shipping name:**

Caustic alkali liquids, n.o.s. (Diethylenetriamine, Alkylphenol)

Marine pollutant: Yes

**14.5 Air Transport ICAO-TI/IATA-DGR:** Class 8 UN1719 PG III Label: Corrosive

**14.6 Proper shipping name:**

Caustic alkali liquids, n.o.s. (Diethylenetriamine, Alkylphenol)

**15. Regulatory Information**

**15.1 Safety health and environmental regulations/legislation:**

SARA Title III Section 311/312 (40CFR370): Acute health hazard.

SARA Title III Section 313 (40CFR372): No reportable components.

CERCLA Status (40CFR302): No reportable quantity components.

TSCA Inventory status: Reported/included.

OSHA/NIH/ARC Carcinogen Status: Not listed.

Chemicals known to the state of California to cause Cancer or reproductive toxicity: None

Pennsylvania (Worker and Community Right-to-Know Act): Hazardous Substances List and/or

Environmental Hazardous Substance List and/or Special Hazardous Substance List: To the best of our knowledge,

this product does not contain chemicals at levels which require reporting under this statute.

Canadian DSL Status) : Reported/included.

**16. Other Information**

**HMIS/NFPA rating:** Health: 3 Fire: 1 Reactivity: 0

(Personal protective equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process).