

SAFETY DATA SHEET

Metzger/McGuire Co.

EPOXY HARDENER

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.

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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. Disposal 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/NTP/IARC 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).