



# MATERIAL SAFETY DATA SHEET



Prepared in accordance with ISO 11014-1/ ANSI standard  
Z400.1-2004

Revision Date: 1/13/2011

MSDS No.: ND4086

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 924 Epoxy – Part B (Hardener)

**Synonyms:** None

**Use of the Substance/Preparation:** Adhesive

**Supplier:**

ND Industries, Inc.  
1893 Barrett Road  
Troy, Michigan 48084  
Tel: (248) 288-0000  
Fax: 248) 288-0022

**Emergency Telephone Number:** 24 hr. EMERGENCY CHEMTREC  
1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW-  
WARNING:**

Causes severe eye irritation. May cause sensitization by skin contact. Causes severe skin irritation.

**Principle Routes of Exposure:**

Eyes, skin, inhalation.

**POTENTIAL HEALTH EFFECTS:**

**Eye Contact:**

Causes severe eye irritation.

**Skin Contact:**

Causes skin irritation. May cause sensitization by skin contact.

**Inhalation:**

Causes respiratory tract irritation.

**Ingestion:**

May cause burns to the mouth, throat and stomach.

**Carcinogenic Effects:**

No data available on product itself. Contains no known carcinogens.

**Target Organ Effects:**

No data available on product itself.

**Medical Conditions Aggravated by  
Exposure:**

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Polyamide Resin	Mixture	n/a	80-90	Xn: R21; R34, R43, R52-53
Curing Agent	Mixture	n/a	1-10	Xn: R22; R36/38
Colorant	Mixture	n/a	<2	Xi: R36/38; R43

#### 4. FIRST AID MEASURES

**Skin Contact:** Wash affected area with plenty of soap and water, rinsing with water for at least 15 minutes. Seek medical attention.  
**Eye Contact:** Immediately flush eyes with plenty of water for at least 15-20 minutes, including under eyelids. Seek medical attention.  
**Inhalation:** Move to fresh air. If symptoms persist seek medical attention.  
**Ingestion:** Do not induce vomiting. Seek immediate medical attention.

#### 5. FIRE AND IGNITION INFORMATION

**Flash Point** Not established.  
**Explosion Limits in Air – Upper (%):** Not established.  
**Explosion Limits in Air – Lower (%):** Not established.  
**Auto-ignition Temperature:** Not established.  
**Extinguishing Media:** Water spray, foam, carbon dioxide, dry chemical.  
**Special Protective Equipment for Firefighters:** Fire fighters should wear full protective gear, including self contained breathing apparatus.  
**Specific Hazards:** None known.  
**Hazardous Decomposition and/or Combustion Products:** Carbon monoxide, ammonia gas, nitrogen oxides. Burning produces toxic and noxious fumes.  
**Risk of Dust Explosion:** Not applicable.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Only trained personnel should clean a spill. Wear suitable personal protective equipment.  
**Methods for Cleaning Up:** Collect spilled material into suitable container for disposal.  
**Environmental Precautions:** Do not allow this product into sewers, drains, rivers, or other watercourses.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Wear suitable personal protective equipment. Do not eat, drink, or smoke while using this product. Wash hands after using this product, and before eating, drinking, smoking or using the lavatory.  
**Storage:** Store in a cool, dry, well ventilated location. Keep container tightly closed when not in use.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

None

##### ENGINEERING CONTROLS

Local exhaust ventilation is recommended.

##### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** Not required for properly ventilated areas. Wear NIOSH approved respiratory protection if ventilation is inadequate to maintain exposures below limits.

<b>Hand Protection:</b>	Wear suitable protective gloves, such as butyl-rubber, nitrile, or neoprene.
<b>Eye Protection:</b>	Full face shield with tight fitting goggles.
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.
<b>Other:</b>	Emergency eyewash and shower stations should be available in the immediate work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Blue liquid.
<b>Odor:</b>	Amine-like.
<b>pH</b>	Not established.
<b>Vapor Pressure:</b>	Not established.
<b>Boiling Point/Range:</b>	Not established.
<b>Melting Point/Range:</b>	Not established.
<b>Water Solubility:</b>	Not established.
<b>Density:</b>	Not established.
<b>Specific Gravity:</b>	Not established.
<b>% Volatile (by Volume):</b>	Not established.
<b>Evaporation Rate:</b>	Not established.
<b>Viscosity:</b>	Not established.
<b>Partition Coefficient (n-octanol/water):</b>	Not established.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Mechanical Sensitivity (shock):</b>	Not applicable.
<b>Conditions to Avoid:</b>	Strong acids and oxidizers. Do not store in reactive metal container.
<b>Hazardous Decomposition and/or Combustion Products:</b>	See section 5.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

<b>Oral LD50:</b>	No data available on the product itself.
<b>Inhalation LC50:</b>	No data available on the product itself.
<b>Dermal LC50:</b>	No data available on the product itself.
<b>Eye Irritation:</b>	No data available on the product itself.
<b>Skin Irritation:</b>	No data available on the product itself.

### SUBCHRONIC TOXICITY

No data available on the product itself.

### CHRONIC TOXICITY

<b>Carcinogenic Effects:</b>	No data available on the product itself.
<b>Mutagenic Effects:</b>	No data available on the product itself.
<b>Reproductive Toxicity:</b>	No data available on the product itself.
<b>Sensitizing Effects:</b>	No data available on the product itself.
<b>Synergistic Materials:</b>	No data available on the product itself.

## 12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

**Aquatic Toxicity:** No data available on the product itself.

### ENVIRONMENTAL FATE

**Mobility:** No data available on the product itself.  
**Bioaccumulation:** No data available on the product itself.  
**Persistence / Degradability:** No data available on the product itself.  
**Distribution to Environmental Compartments:** No data available on the product itself.

## 13. DISPOSAL CONSIDERATIONS

**Disclaimer:** Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

**RCRA Classification (40 CFR 261):** Dispose of in accordance with all applicable local, state and federal regulations.

## 14. TRANSPORTATION INFORMATION

**DOT:**

**Shipping Name:** Corrosive Liquids, N.O.S. (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)

**Class:** 8

**ID No.:** UN1760

**Packing group:** III

## 15. REGULATORY INFORMATION

### Hazard Classification

**United States – OSHA (29 CFR 1910.1200):** This product is considered hazardous under OSHA.

### International Inventories

**All components of this product are listed on or exempt from the following inventories:**

(yes) - United States Toxic Substances Control Act (TSCA) Inventory

### U.S. Federal Regulations

**TSCA 12(b) Export Notification:** None.

**Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82):** None.

**Clean Water Act (CWA, 40 CFR 116):** None.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302):** None.

### Superfund Amendments and Reauthorization Act, Title III (SARA):

**SARA Section 302 (40 CFR 355) Extremely Hazardous Substances:** None.

**SARA Section 311/312 (40 CFR 370) Hazard Category:** Acute health hazard.

**SARA Section 313 (40 CFR 372) Toxics Release Inventory:** None.

### U.S. State Regulations

**California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other harm.

**US Coalition of North-Eastern Governors (CONEG) Metals: List:** Not applicable.

## 16. OTHER INFORMATION

### HMIS Rating

**HMIS Index:** \*- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

**Health:** 3

**Flammability:** 1

**Physical Hazard:** 1

### **Additional Contacts:**

**Prepared by:** ND Industries, Inc. – Safety, Health and Environmental Affairs

**Revision Date:** n/a

**Previous Revision Date:** n/a

**Reasons for Revision:** n/a

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