



## H-Series Part B

MSDS Number:

Revision Date: 2/9/2012

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

NIC Industries, Inc  
7050 6th Street  
White City, OR 97503

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### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes, Ingestion, Inhalation, Skin  
**Target Organs:** Central Nervous System, Kidneys, Liver  
**Inhalation:** May cause severe irritation.  
**Skin:** Moderate irritation. Animal studies have shown components to cause erythema with signs of necrosis after 1 hour exposure.  
**Eye:** May cause severe irritation.  
**Ingestion:** Ingestion may cause damage to the lining of the gastrointestinal tract. Ingestion may be harmful.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas #	Percentage	Chemical Name
108-95-2	12-32%	Phenol
112-24-3	12-32%	Triethylenetetramine
	20%	Proprietary Information
32610-77-8	32-56%	Formaldehyde, polymer with N,N'-bis(2-aminoethyl)-1,2-ethanediamineand phenol

### 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration. Seek medical attention immediately.  
**Skin Contact:** Wash thoroughly with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash all clothing before re-use. If irritation persists, seek medical attention.  
**Eye Contact:** Immediately flush with water for at least 15 minutes, occasionally lifting upper and lower eyelids. Seek medical attention immediately.  
**Ingestion:** Do not induce vomiting. Provide moderate amounts of water. Seek medical attention immediately.



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### 5 FIRE FIGHTING MEASURES

**Flash Point:** Not Determined  
**Flash Point Method:** Not Determined  
**LEL:** Not Determined  
**UEL:** Not Determined

**Extinguishing Media:**  
Carbon dioxide, dry chemical powder, foam or water fog.

**Special Firefighting Procedures:**

Firefighters should wear butyl rubber boots, gloves, and body suit with SCBA. May generate toxic and irritating combustion products. Use DOT Response Guide #153. Use water spray to cool fire-exposed containers. Emits toxic fumes under fire conditions.

### 6 ACCIDENTAL RELEASE MEASURES

Isolate spill area. Wear appropriate personal, protective equipment listed in Section 8 and contain the spill. Ventilate spill area and reomove all sparking equipment and sources of ignition. Keep out of sewers and storm drains. Vacuum, scoop or absorb with inert materials and place into a suitable container.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Use with adequate ventilation.  
Avoid breathing fumes and avoid bodily contact with material.  
Wear appropriate personal protective equipment.  
Wash thoroughly after handling, avoid contact with eyes.  
Minimize the free fall distance of hardener when loading, unloading, or conveying to avoid spilling.  
Keep equipment clean and properly grounded at all times.  
Clean spills immediately.  
Do not eat or smoke in areas where hardener is handled.

**Storage Requirements:** Store in cool, dry place to prevent caking.  
Protect from breakage.  
Avoid excess aging.  
Keep away from sources of ignition (such as heat, spark, and flames).  
Avoid moisture and static electricity discharges.  
Keep tightly closed when not being used.  
Label all containers appropriately.  
Do not store near food or drinks.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

**Personal Protective Equip:** HMIS PP, C | Goggles, Gloves, Apron  
HMIS PP, E | Safety Goggles, Chemical Gloves, Dust Respirator, Proper Clothing

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use.

Emergency shower and eyewash facility should be in close proximity.



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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale yellow liquid. Clear to slightly hazy.	<b>Odor:</b>	Ammonia
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Moderate
<b>Spec Grav./Density:</b>	1.081		
<b>pH:</b>	Alkaline		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	High temperatures, heat and direct sunlight.
<b>Materials to Avoid:</b>	Strong oxidizers, acids, epoxy resins in uncontrolled conditions, contact with other unpolymerized monomers or polymers.
<b>Hazardous Decomposition:</b>	Carbon dioxide, carbon monoxide, Nitrous oxides and miscellaneous hydrocarbons.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

NTP Carcinogen: No  
IARC Monographs: No  
OSHA Regulated: No

Not known to contain any ingredients recognized as carcinogens by the National Toxicology Program (NTP), American Conference of Governmental Industrial Hygienists (ACGIH), International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

Specific human testing for this product has not been performed.

### 12 ECOLOGICAL INFORMATION

Avoid release to surface waters and waste treatment systems. The ecological effects of this material have not been fully analyzed.

### 13 DISPOSAL CONSIDERATIONS

This product is not regulated by the EPA. Disposal should be made in accordance to federal, state, and local regulations. Incinerations of combustible waste material in a permitted facility in accordance with the local, state, and federal regulations is the recommended disposal method.

### 14 TRANSPORT INFORMATION

DOT Class: Not regulated #

US DOT: Not Regulated  
IATA: Not applicable



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IMO: Not applicable

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### REGULATORY INFORMATION

HCS Classification: Not Regulated  
U.S. Federal Regulations: TSCA All components are listed or exempted  
SARA 302/304/311/312: No products found

This product contains the following toxic chemicals subject to the reporting requirements of SARA 313: Phenol, Formaldehyde.

Canadian DSL Inventory Status: All components of this product are listed on the Canadian DSL Inventory List

\*Phenol (108952 12-32%) CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Triethylenetetramine (112243 12-32%) MASS, PA, TSCA

\*Formaldehyde, polymer with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and phenol (32610778 32-56%) TSCA

#### REGULATORY KEY DESCRIPTIONS

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CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
EHS302 = Extremely Hazardous Substance  
EPCRAWPC = EPCRA Water Priority Chemicals  
HAP = Hazardous Air Pollutants  
MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
OSHA = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
PRIPOL = Clean Water Act Priority Pollutants  
SARA313 = SARA 313 Title III Toxic Chemicals  
TOXICPOL = Clean Water Act Toxic Pollutants  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
TXHWL = TX Hazardous Waste List

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### OTHER INFORMATION

U.S. Federal Regulations:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to all your employees.

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