

# Safety Data Sheet

Material Name: Hydroxy Modified Resin  
**NEVOXY® EPX-LH**



## \*\*\*Section 1 – PRODUCT IDENTIFICATION\*\*\*

**Material Name:**

NEVOXY® EPX-LH

**Synonyms:**

Modified Resin, Hydroxy Modified Resin

**Recommended Uses of Product and Restrictions**

Identified Uses: Adhesives, Coatings

Uses Advised Against: None Known

**Details of the supplier of the safety data sheet:**

Neville Chemical Company

2800 Neville Road

Pittsburgh, PA 15225-1496

Phone: +1 412-331-4200

Emergency Phone #: 412-331-4200 or CHEMTREC at 800-424-9300

Fax:412-777-4234

## \*\*\*Section 2 - HAZARD(S) IDENTIFICATION\*\*\*

**Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17)**

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1A

Hazardous to the Aquatic Environment - Chronic - Category 3

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Warning

**Hazard Statement(s)**

Causes skin irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

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## Precautionary Statement(s)

### Prevention

Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Avoid release to the environment

### Response

IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

### Storage

None needed according to classification criteria

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

## \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

CAS	Component	Percentage
68457-74-9	Phenol, isobutyleneated methylstyrenated	100%

## \*\*\*Section 4 - FIRST-AID MEASURES\*\*\*

### Description of Necessary Measures

Get medical advice/attention if you feel unwell.

### Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin Contact

Wash with plenty of soap and water. Get medical attention if irritation develops or persists.

### Eye Contact

Flush eyes with plenty of water. Get medical attention if irritation develops or persists

### Ingestion

Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

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## Most Important Symptoms/Effects

### Acute

Causes skin irritation. May cause allergic skin reaction

### Delayed

May cause allergic skin reaction

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## \* \* \*Section 5 - FIRE-FIGHTING MEASURES\* \* \*

### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazard Arising from the Chemical

Vapors are heavier than air, spread along floors and form explosive mixtures with air

### Hazardous Combustion Products

oxides of carbon, carbon monoxide, hydrocarbons

### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas

## \* \* \*Section 6 - ACCIDENTAL RELEASE MEASURES\* \* \*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8

### Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Dispose in accordance with all applicable regulations.

### Environmental Precautions

Avoid release to the environment.

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### \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

#### Precautions for Safe Handling

Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wash thoroughly after handling. Wear personal protective clothing and equipment.

#### Conditions for Safe Storage, including any Incompatibilities

None needed according to classification criteria.

Store in a cool dry place. Keep separated from incompatible substances. Empty containers may contain product residue.

**Incompatible Materials:** strong oxidizing materials, combustible materials

### \*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*

#### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

#### Engineering Controls

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

#### Individual Protection Measures, such as Personal Protective Equipment

##### Eye/face protection

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

##### Skin Protection

Wear appropriate chemical resistant clothing.

##### Respiratory Protection

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

##### Glove Recommendations

Wear appropriate chemical resistant gloves.

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### \*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*

<b>Physical State:</b>	Liquid	<b>Vapor Density (air = 1):</b>	>1
<b>Appearance/ Color:</b>	Clear light – colored liquid	<b>Vapor Pressure:</b>	<1 mmHg @ 20°C.
<b>Odor:</b>	Slight, phenolic compounds	<b>Evaporation Rate:</b>	<1 (water = 1)
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	7.0 at 20°C.
<b>Melt Point, °C.:</b>	Not available	<b>Boiling Point:</b>	>200°C.
<b>Freezing Point, °C.:</b>	Not available	<b>Boiling Point Range:</b>	Not Available
<b>Specific Gravity (water = 1):</b>	1.02 @ 25°C	<b>Decomposition Temperature:</b>	>250°C.
<b>Molecular Weight (Mn):</b> <b>(Mw):</b>	250 300	<b>KOC:</b>	Not available
<b>Volatility by Weight:</b> 1 gram/2hrs/100°C, In Closed Non-Ventilated Oven	<1.5% (Method 24)	<b>Log KOW:</b>	Not available
<b>Flash Point:</b>	≥300 °F	<b>Water Solubility:</b>	Insoluble
<b>Flammability (solid, gas):</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Minimum Explosive Concentration:</b>	Not available	<b>Relative Density:</b>	Not available
<b>KSt-value (bar x m/s):</b>	Not available	<b>Viscosity, Brookfield, cps.:</b>	2,000 to 2,700 @ 25°C.
<b>Auto Ignition Temperature:</b>	>450°C. (DIN 51794)	<b>LEL:</b>	Not available
<b>Taste:</b>	Not available	<b>UEL:</b>	Not available

### \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

#### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

#### Incompatible Materials

oxidizing materials, combustible materials

#### Hazardous decomposition products

Carbon monoxide, Carbon dioxide, low molecular weight hydrocarbons

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## \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

#### Skin Contact

Causes skin irritation. Mat cause allergic skin reaction.

#### Eye Contact

May cause eye irritation.

#### Ingestion

No information on significant adverse effects.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### Phenol, isobutyleneated methylstyrenated (68457-74-9)

Oral LD50 Rat >2500 mg/kg

Dermal LD50 Rat >2000 mg/kg (no deaths occurred )

Inhalation LC50 Rat >23250 mg/m<sup>3</sup> 4 h

#### Product Toxicity Data

##### Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Inhalation - Vapor	> 20 mg/L
Oral	> 2000 mg/kg

#### Immediate Effects

Causes skin irritation. May cause an allergic skin reaction. May cause mild eye irritation

#### Delayed Effects

May cause an allergic skin reaction.

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### **Irritation/Corrosivity Data**

Causes skin irritation.

### **Respiratory Sensitization**

No information available for the product.

### **Dermal Sensitization**

May cause an allergic skin reaction.

### **Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

### **Germ Cell Mutagenicity**

No information available for the product.

### **Tumorigenic Data:**

No data available

### **Reproductive Toxicity**

No information available for the product.

### **Specific Target Organ Toxicity - Single Exposure**

No target organs identified

### **Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified

### **Aspiration hazard**

No information available for the product.

### **Medical Conditions Aggravated by Exposure**

No data available.

<b>***Section 12 - ECOLOGICAL INFORMATION***</b>
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### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

### **Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

### **Persistence and Degradability**

No information available for the product.

### **Bioaccumulation**

No information available for the product.

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### Mobility

No information available for the product.

### Other Toxicity

Do not allow to enter sewers or waterways.

<b>***Section 13 - DISPOSAL CONSIDERATIONS***</b>
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### Disposal Methods

Dispose in accordance with all applicable regulations.

<b>***Section 14 - TRANSPORT INFORMATION***</b>
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### US DOT Information

UN/NA #: Not Regulated

### TDG Information

UN/NA #: Not Regulated

### IATA Information:

UN/NA #: Not Regulated

### International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.



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**\*\*\*Section 15 - REGULATORY INFORMATION\*\*\***

### Canada Regulations

#### CEPA - Priority Substances List

None of this product's components are on the list.

#### Ozone Depleting Substances

None of this product's components are on the list.

#### Council of Ministers of the Environment - Soil Quality Guidelines

None of this product's components are on the list.

#### Council of Ministers of the Environment - Water Quality Guidelines

None of this product's components are on the list.

### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C) 2016 reporting categories

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactivity:** No

### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA

### Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP ENCS	KR	KR KECI Annex-1
Phenol, isobutyleneated methylstyrenated	68457-74-9	Yes	DSL	EIN	Yes	Yes	No	Yes	No
		<b>TW</b>	<b>VN Draft</b>	<b>TH-TECI</b>	<b>MX</b>	<b>CN</b>	<b>JP-ISHL</b>	<b>NZ</b>	<b>KR KECI Annex 2</b>
		Yes	No	No	No	Yes	No	Yes	Yes

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<b>***Section 16 - OTHER INFORMATION***</b>
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**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**HMIS RATINGS:**

**Health: 1**

**Fire: 1**

**Reactivity: 0**

**Pers. Prot.: B Minimum**

**Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard**

**Summary of Changes**

Update SDS: 03/29/2023

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## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labeling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN NCI (Draft) - Vietnam National Chemicals Inventory (NCI) (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada) .

## Other Information

### Disclaimer:

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.