

Safety Data Sheet

Material Name: Hydrocarbon Resin
NEVCHEM® LR Resin



Section 1 – PRODUCT IDENTIFICATION

Material Name:

Hydrocarbon Resin

Trade Name:

NEVCHEM® LR Resin

Recommended Uses of Product and Restrictions

Identified Uses: Adhesives, coatings, rubber

Uses Advised Against: None Known

Manufacturer Information

Neville Chemical Company

2800 Neville Road

Pittsburgh, PA 15225-1496

Phone: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 29 CFR 1910.1200

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system and respiratory system)

Specific Target Organ Toxicity - Repeated Exposure, Category 2 (skin)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

WARNING

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Hazard Statement(s)

Causes skin irritation skin through prolonged or repeated exposure
Contact with hot material may cause thermal burns.

Precautionary Statement(s)

Prevention

Avoid breathing mist or hot vapors. Use in a well-ventilated area.
Wear protective gloves and eye/face protection (when hot).
Wash hands and skin thoroughly after handling.

Response

IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.
For thermal burns, cool the skin under cold water (running or by immersion in a sufficient volume), until medical attention is obtained.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Disposal

Dispose of contents/container to an EPA approved facility, in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

Contact with hot material may cause thermal burns.

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

CAS	Component	Percentage
68603-08-7	Petroleum Hydrocarbon Resin, Liquid	100%

Naphthalene is a non-reactive component that may be present in some of the raw materials used to produce hydrocarbon resins. It is removed from our finished product during the distillation phase of our process but may be present in trace amounts

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Section 4 - FIRST-AID MEASURES

Description of Necessary Measures

Inhalation

If adverse effects from inhalation occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin Contact

Wash skin with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. For thermal burns get immediate medical attention. If skin irritation persists, seek medical attention. Thoroughly clean and dry contaminated clothing before reuse.

Eye Contact

Flush eyes with plenty of water for at least 15 minutes, while lifting eyelids open. For thermal burn splashes, then get immediate medical attention.

Ingestion

In general no treatment is necessary, unless large quantities are swallowed. In such cases, do NOT induce vomiting and get medical attention.

Most Important Symptoms/Effects

Acute

Symptoms/effects may include mild skin irritation and/or mild eye irritation

Delayed

May cause damage to skin through prolonged or repeated exposure.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Provide general supportive measures and treat symptomatically.

First Aid Facilities

Eye wash immediately available and,
IF being used as a hot liquid, a safety shower immediately available,
plus normal washroom facilities with a shower nearby.

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Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, carbon dioxide, foam, water spray or water fog.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Frothing may occur if water is sprayed into a container of burning liquid.

Special Hazard Arising from the Chemical

Avoid generating mists and hot vapors. Mists and hot vapors dispersed in air in sufficient concentrations, and in the presence of an ignition source are a potential explosion hazard. Vapors are heavier than air and can collect in low areas; vapors can travel to an ignition source and flash back.

Combustion: Initially: Harmful and irritating partly decomposed low MW Hydrocarbons;
Finally: Carbon Monoxide, Carbon Dioxide

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. Use water spray to cool fire exposed surfaces and protect personnel.

Special Protective Equipment and Precautions for Firefighters

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

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate personal protective equipment. Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with skin and eyes. Avoid release to the environment. Only personnel trained for the hazards of this material should perform clean up and disposal.

Methods and Materials for Containment and Cleaning Up

Use non-sparking tools and equipment. Keep unnecessary people away, isolate hazard area and deny entry. Absorb with sand or other non-combustible material. Keep out of water supplies, sewers and soil. Collect spilled material in appropriate container for disposal. In case of spillage, stop the flow of material and block any potential routes to water systems.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Wear protective gloves and eye/face protection. Keep away from all ignition sources. Avoid contact with skin and eyes. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Take precautionary measures against static discharge. Dissipate static electricity during transfer by earthing (grounding and bonding) containers and equipment. Do not breathe vapor or mist.

Conditions for Safe Storage, including any Incompatibilities

Store in a cool, dry place. Store in a well-ventilated area. Avoid contact with molten (hot) material. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Store and handle in accordance with all current regulations and standards.

Incompatibilities: strong oxidizing materials, combustible materials

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

None

Appropriate Engineering Controls

Provide a local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. It is recommended that all vapor control equipment such as local exhaust ventilation and material transport systems involved in handling of these product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that vapor-handling systems (such as exhaust ducts, vessels, and processing equipment) are designed in a manner to prevent the escape of vapors into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear splash resistant safety goggles with a face shield.

Skin Protection

Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear rubber or neoprene gloves if splashing is a problem.
Wear heat protective gloves and clothing when handling hot resin.
have been observed that are indicative of overexposure.

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Respiratory Protection

A NIOSH approved respirator with organic vapor cartridges and N95 (mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Vapor Density (air = 1):	Not available
Appearance/ Color:	Amber	Evaporation Rate:	<1 (water = 1)
Odor:	petroleum odor	pH:	Not available
Odor Threshold:	Not available	Initial Boiling Point:	≥ 325 °C.
R&B Softening Point, °C.:	< 20	Boiling Point Range:	325 to 380°C. (typical)
Melting Point:	Not available	Vapor Pressure:	Not available
Freezing Point:	Not available	Decomposition Temperature:	Not available
Specific Gravity (water = 1):	Approx. 1.02 @ 30°C	KOC:	Not available
Molecular Weight (Mn):	Not available	Log KOW:	Not available
		Water Solubility:	Not available
Volatiles, Wt. % (EPA Method 24) ASTM D2369: 110±5°C., 1 hours, forced air oven:	<6.0	Coeff. Water/Oil Dist:	Not available
Flash Point (Open Cup):	≈330 °F	Relative Density:	Not available
OSHA Flammability Class:	Not categorized.	Viscosity:	100 to 400 cps. at 25°C. 185 cps. typical
Minimum Explosive Concentration:	Not available	Taste:	Not available
KSt-value (bar x m/s):	Not available	LEL:	Not available
Auto Ignition Temperature:	Not available	UEL:	Not available

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity issues known.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

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Conditions to Avoid

Mist or hot vapor formation. High temperatures, particularly overheating the product.
Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.
Avoid contact with incompatible materials. Avoid contact with molten material.

Incompatible Materials

strong oxidizing materials

Hazardous Decomposition Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Combustion: oxides of carbon, carbon monoxide, hydrocarbons.

* * *Section 11 - TOXICOLOGICAL INFORMATION* * *

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

None

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects

Ingestion

No information on significant adverse effects

Skin Contact

Causes skin irritation through prolonged or repeated exposure.

Eye Contact

No information on significant adverse effects. May cause eye irritation.

Immediate Effects

Symptoms/effects may include mild skin irritation, mild eye irritation, nervous system damage, and respiratory tract irritation

Delayed Effects

Causes skin irritation through prolonged or repeated exposure.

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Medical Conditions Aggravated by Exposure

No data available.

Irritation/Corrosivity Data

Causes skin irritation through prolonged or repeated exposure.
May cause eye irritation.

Respiratory Sensitization

No information available for the product.

Dermal Sensitization

No information available for the product.

Germ Cell Mutagenicity

No information available for product.

Component Carcinogenicity

None

Reproductive Toxicity

No information available for product.

Specific Target Organ Toxicity - Single Exposure

No information available for the product.

Specific Target Organ Toxicity - Repeated Exposure

No information available for the product

Aspiration Hazard

Not an aspiration hazard

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

May be harmful to aquatic life with lasting effects.

Component Analysis - Aquatic Toxicity

GHS CRITERIA [Petroleum Hydrocarbon Resin, Liquid, as 100%]:
Aquatic Environment (Acute/Short-Term) Hazard: Not Classified.
Aquatic Environment (Long-Term) Hazard : Not Classified.
[Classification by Analogy to similar chemicals]

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Persistence and Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

Other Adverse Effects:

No information available for this product

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container to an EPA approved facility, in accordance with all applicable regulations.
Regulations vary. Consult local authorities before disposal.
Advise its combustible liquid (Flash Point 165°C) hazard. Reclaim if possible.
Recommend disposal by reaction or incineration in an EPA approved facility.

Disposal of Contaminated Packaging

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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Section 14 - TRANSPORT INFORMATION

At the Normal Day Temperature Petroleum Hydrocarbon Resin, Liquid:

NOT defined as Dangerous Goods by Regulations for the Transport of Dangerous Goods by Road & Rail; by the IATA Air Transport Dangerous Goods Regulations; nor by the IMDG (International Maritime Dangerous Goods) Code.

If shipped as an Elevated Temperature Liquid $\geq 100^{\circ}\text{C}$:

US DOT Information

Shipping Name: Elevated temperature liquid, n.o.s. at or above 100 °C and below its flash point including molten metals, molten salts, etc. (Contains: Petroleum Hydrocarbon Resin)

UN/NA #: 3257 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

Not DOT Hazardous in non-bulk packaging (Drums / Pails)

TDG Information

Shipping Name: Elevated temperature liquid, n.o.s. at or above 100 °C and below its flash point including molten metals, molten salts, etc. (Contains: Petroleum Hydrocarbon Resin)

UN #: 3257 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

Not DOT Hazardous in non-bulk packaging (Drums / Pails)

IATA Information

Shipping Name: Elevated temperature liquid, n.o.s. at or above 100 °C and below its flash point including molten metals, molten salts, etc. (Contains: Petroleum Hydrocarbon Resin)

UN #: 3257 **Hazard Class:** 9 **Packing Group:** III

Required Label(s): 9

Not Hazardous in non-bulk packaging (Drums / Pails)

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Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material does not contain any chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No, Chronic Health: No, Fire: No, Pressure: No, Reactive: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component: None	CAS	CA	MA	MN	NJ	PA

Not regulated under California Proposition 65

Canada Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

Canadian WHMIS Ingredient Disclosure List (IDL)

None of the components of this material is on Canadian WHMIS Ingredient Disclosure List.

Canadian WHMIS Information

Not classified

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Naphtha (petroleum), aromatic-containing	68603-08-7	Yes	DSL	EIN	Yes	No	No	Yes	No	Yes

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NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0

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

HMIS RATINGS:

Health: 1* skin

Fire: 1

Reactivity: 0

Pers. Prot.: B Minimum

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

Section 16 - OTHER INFORMATION

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; 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; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; 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; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information.