

Safety Data Sheet

Material Name: Hydrocarbon Resin Solution
VERSADIL® 1100



Section 1 – PRODUCT IDENTIFICATION

Material Name:

Hydrocarbon Resin Solution

Trade Name:

VERSADIL® 1100

Recommended Uses of Product and Restrictions

Identified Uses: Coatings

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

Fax:412-777-4234

Section 2 - HAZARD(S) IDENTIFICATION

Classification in accordance with 29 CFR 1910.1200

None needed according to classification criteria

GHS Label Elements

Symbol(s)

None needed according to classification criteria

Signal Word

None needed according to classification criteria

Hazard Statement(s)

None needed according to classification criteria

Precautionary Statement(s)

Prevention

None needed according to classification criteria

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Response

None needed according to classification criteria

Storage

None needed according to classification criteria

Disposal

Dispose in accordance with all applicable regulations.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component | Percent |
|-------------|---------------------|---------|
| Proprietary | Proprietary Mixture | 100 |
| | | |
| | | |

Section 4 - FIRST-AID MEASURES

Description of Necessary Measures

Inhalation

If adverse effects occur, remove to uncontaminated area. 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 for at least 15 minutes. Get medical attention if irritation develops or persists.

Ingestion

If a large amount is swallowed, get medical attention. Do NOT induce vomiting.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

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Delayed

No information on significant adverse effects.

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

Provide general supportive measures and treat symptomatically.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None known

Special Hazard Arising from the Chemical

May be ignited by heat, sparks or flames. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback.

Hazardous Combustion Products

Oxides of carbon

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water. 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.

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 clothing and equipment, see Section 8.

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.

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Methods and Materials for Containment and Cleaning Up

Eliminate all sources of ignition. Keep out of water supplies and sewers. Ground any equipment used in handling. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Prevent entry into waterways, sewers, basements, or confined areas. Use foam on spills to minimize vapors. Absorb with earth, sand or other non-combustible material and transfer to container. Collect spilled material in appropriate container for disposal. Use non-sparking tools. Large spills: Dike for later disposal. Reduce vapors with water spray. Dispose in accordance with all applicable regulations.

Environmental Precautions

Avoid release to the environment.

* * *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

| Vegetable oil mists | 8008-89-7 |
|---------------------|--|
| NIOSH: | 10 mg/m ³ TWA total mist; 5 mg/m ³ TWA respirable mist (related to Vegetable oil) |
| OSHA (US): | 5 mg/m ³ TWA mist, respirable fraction; 15 mg/m ³ TWA mist, total (related to Vegetable oil) |
| Mexico: | 10 mg/m ³ TWA LMPE-PPT (except irritant oils) mist (related to Vegetable oil) |

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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

Eye/face protection

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

Skin Protection

Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear appropriate chemical resistant gloves

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.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---------------------------|-----------------------------------|------------------------------|
| Physical State: | Liquid | Vapor Density (air = 1): | >1 |
| Appearance: | Amber liquid | Vapor Pressure (mm Hg): | <1 |
| Color: | Amber | Evaporation Rate: | <1 (water = 1) |
| Odor: | Vegetable oil / petroleum | pH: | Not applicable |
| Odor Threshold: | Not available | Boiling Point: | Not available |
| Softening Point: | Not applicable | Boiling Point Range: | Not available |
| Melting Point: | Not available | Decomposition Temperature: | Not available |
| Freezing Point: | Not available | KOC: | Not available |
| Specific Gravity (water = 1): | Approx. 0.94 @ 30°C | Log KOW: | Not available |
| Molecular Weight (Mn): | Not available | Water Solubility: | Not available |
| Volatility by Weight: | <1% | Coeff. Water/Oil Dist: | Not available |
| Flash Point: | >300 °F. | Relative Density: | 7.8 pounds / gallon at 25°C. |
| OSHA Flammability Class: | Combustible | Viscosity, Brookfield: | 1,600 to 1,700 cps at 25°C. |
| Minimum Explosive Concentration: | No data available | Taste: | Not available |
| KSt-value (bar x m/s): | Not applicable | LEL: | Not available |
| Auto Ignition Temperature: | Not available | UEL: | Not available |

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Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected

Chemical Stability

Stable under normal conditions of use

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

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

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 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

May cause skin irritation.

Eye Contact

May cause eye irritation.

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Immediate Effects

May cause eye irritation, skin irritation.

Delayed Effects

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

No data available.

Irritation/Corrosivity Data

May cause eye irritation, skin 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.

Carcinogenicity

Component Carcinogenicity

No information available for product

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

No information available for product.

Specific Target Organ Toxicity - Repeated Exposure

No information available for product.

Aspiration hazard

No information available for the product.

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Section 12 - ECOLOGICAL INFORMATION

Component Analysis – Aquatic Toxicity

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 in accordance with all applicable regulations. Regulations vary. Consult local authorities before disposal.

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*** |
|---|

US DOT Information

Shipping Name: ELEVATED TEMPERATURE LIQUID, N.O.S.

Hazard Class: 9

UN/NA #: UN3257

Packing Group: III

Required Label(s): 3

Not regulated (non hazardous) in non-bulk packaging (Drums / Pails)

TDG Information

Shipping Name: ELEVATED TEMPERATURE LIQUID, N.O.S.

Hazard Class: 9

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IATA Information:

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

U.S. Federal Regulations

This material does not contains 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 **Reactivity:** No

U.S. State Regulations

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

| Component | CAS | CA | MA | MN | NJ | PA |
|---|-----------|-----|-----|-----|-----|-----|
| Vegetable oil mists (representative – not an actual component of the product) | 8008-89-7 | Yes | Yes | Yes | Yes | Yes |
| | | | | | | |

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 Information

WHMIS CLASSIFICATION: Not classified

Component Analysis - Inventory

| Component | CAS | US | CA | EU | AU | PH | JP | KR | CN | NZ |
|-------------------|-------------|-----|-----|--------|-----|-----|-----|-----|-----|-----|
| Hydrocarbon Resin | Proprietary | Yes | Yes | Exempt | Yes | Yes | Yes | Yes | Yes | Yes |
| Vegetable Oil(s) | Proprietary | Yes | Yes | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| | | | | | | | | | | |

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Section 16 - OTHER INFORMATION

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

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

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; 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; 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; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; 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; 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; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; 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.

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.