

Material Safety Data Sheet

Material Name: HENRY 622

MSDS ID: WWHC-012

*** Section 1 - Chemical Product and Company Identification ***

Material Name: HENRY 622

Product Use: Flooring Adhesive

Manufacturer Information

The W.W. Henry Company

400 Ardex Park Drive

Aliquippa, PA 15001

Emergency # CHEM-TEL: 1-800-255-3924

or 1-813-248-0585 (Call Collect)

Non-Emergency Phone #: 1-724-203-8499

*** Section 2 - Hazards Identification ***

Emergency Overview

CAUTION. Product is a smooth, off-white, paste. May cause eye, skin and respiratory irritation.

Hazard Statements

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation.

Potential Health Effects: Eyes

May cause irritation.

Potential Health Effects: Skin

May cause irritation, especially if allowed to remain in contact with the skin for extended amounts of time or allowed to dry on the skin.

Potential Health Effects: Ingestion

Ingestion is an unlikely route of industrial exposure, however, product may cause irritation to the gastrointestinal system if ingested.

Potential Health Effects: Inhalation

Inhalation of fumes or dust from dried product may cause respiratory irritation.

Medical Conditions Aggravated by Exposure

Pre-existing skin and lung conditions may be aggravated by exposure to the components of the product. See Section 11.

*** Section 3 - Composition / Information on Ingredients ***

CAS	Component	Percent
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	1 – 5 %
57-13-6	Urea	1 – 5 %
1310-58-3	Potassium hydroxide	0.1 – 1.0 %

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Mineral oil, highly and severely refined.

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is a controlled product under the criteria specified in the Canadian Workplace Hazardous Materials Information System (WHMIS).

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Immediately flush eyes with large amounts of water, including under the eyelids, for 15-30 minutes. Obtain medical attention if irritation develops or persists.

First Aid: Skin

In case of contact, immediately flush skin with plenty of water. Wash with mild soap if needed to completely remove material. Obtain medical attention if irritation develops or persists.

First Aid: Ingestion

Call a physician if symptoms occur or if large amounts of this material are swallowed. Do not induce vomiting. Never give anything by mouth to an unconscious person.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. If not breathing, have qualified personnel give artificial respiration and seek medical attention immediately.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.
Slight fire hazard.

Hazardous Combustion Products

Hazardous combustion products may include carbon monoxide, carbon dioxide and hydrocarbon fragments.

Extinguishing Media

Media to use includes carbon dioxide, regular dry chemical, regular foam, or water spray.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

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

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

* * * Section 6 - Accidental Release Measures * * *

Personal Precautions

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dust. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation.

Containment Procedures

Contain spill with inert material. Block any potential routes to water systems.

Environmental Precautions

No information is available for the product. Based on component information, material is not expected to be harmful to the environment.

Clean-Up Procedures

Ventilate the contaminated area. Collect spilled material. Place in properly labeled closed container. Thoroughly wash the area with water after a spill or leak clean-up. Do not allow the spilled product to enter public drainage system or open water courses. Wash clothing and equipment after handling.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

*** Section 7 - Handling and Storage ***

Handling Procedures

Observe normal hygiene standards. Avoid contact with skin and eyes. Avoid prolonged or repeated skin contact with this material. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Clean contaminated clothing before reuse.

Storage Procedures

Store in a cool, dry, well-ventilated area. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Keep away from incompatible materials.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

Consult local authorities for acceptable exposure limits.

Petroleum distillates, hydrotreated light naphthenic (64742-53-6)

ACGIH: 5 mg/m³ TWA (excluding metal working fluids, inhalable fraction, related to Mineral oil, highly and severely refined)

Manitoba: 5 mg/m³ TWA (excluding metal working fluids, inhalable fraction, related to Mineral oil, highly and severely refined)

Nova Scotia: 5 mg/m³ TWA (except metal working fluids, inhalable fraction, related to Mineral oil, highly and severely refined)

Potassium hydroxide (1310-58-3)

ACGIH: 2 mg/m³ Ceiling

OSHA (Vacated): 2 mg/m³ Ceiling

NIOSH: 2 mg/m³ Ceiling

Alberta: 2 mg/m³ Ceiling

British Columbia: 2 mg/m³ Ceiling

Manitoba: 2 mg/m³ Ceiling

New Brunswick: 2 mg/m³ Ceiling

NW Territories: 2 mg/m³ Ceiling

Nova Scotia: 2 mg/m³ Ceiling

Nunavut: 2 mg/m³ Ceiling

Ontario: 2 mg/m³ Ceiling

Quebec: 2 mg/m³ Ceiling

Saskatchewan: 2 mg/m³ Ceiling

Yukon: 2 mg/m³ Ceiling

Engineering Controls

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Personal Protective Equipment: Skin

Wear impervious gloves.

Personal Protective Equipment: Respiratory

If concentrations exceed exposure limits, wear a NIOSH approved air purifying respirator with appropriate chemical cartridges or a positive-pressure, air supplied respirator. Respirators should be selected by and used under the direction of a trained health and safety professional following the requirements in OSHA's respirator standard (20 CFR 1901.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit-testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage, must be implemented.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Smooth off-white paste
Physical State: Solid
Vapor Pressure: Not available
Boiling Point: Not available
Solubility in Water: Not available
Density: 8.6 lb/gal
Flash Point Method: Not available
Auto Ignition: Not available
Sensit. to Mech. Impact: No
Decomposition Temperature: Not available
Viscosity: Not available
VOC: 0 g/L

Odor: Mild
pH: 8.4-8.8
Vapor Density: Not available
Melting Point: Not available
Specific Gravity: 1.03
Flash Point: Water-based
Lower Flammability Limit: Not available
Upper Flammability Limit: Not available
Sensit. to Static Discharge: No
Evaporation Rate: Not available
Percent Volatile: 37.5-39.5
Coeff. of Water/Oil Dist.: Not available

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable at normal temperatures and pressure.

Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

Incompatibility

May be incompatible with strong oxidizing materials.

Hazardous Decomposition

Hazardous combustion products may include carbon monoxide, carbon dioxide and hydrocarbon fragments.

Possibility of Hazardous Reactions

Will not occur under normal conditions.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

May cause eye, skin or respiratory irritation.

Component Analysis - LD50/LC50

Petroleum distillates, hydrotreated light naphthenic (64742-53-6)

Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Urea (57-13-6)

Oral LD50 Rat 8471 mg/kg

Potassium hydroxide (1310-58-3)

Oral LD50 Rat 214 mg/kg

Repeated Dose Effects

Prolonged or repeated contact may cause eye irritation, skin irritation, and respiratory tract irritation.

Irritation

Contains components which may irritate.

Carcinogenicity

No information available for the product.

Component Carcinogenicity

Petroleum distillates, hydrotreated light naphthenic (64742-53-6)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Mineral oil, highly and severely refined)

IARC: Supplement 7 [1987]; Monograph 33 [1984] (Group 3 (not classifiable), related to Mineral oil, highly and severely refined)

*** Section 12 - Ecological Information ***

Ecotoxicity

No information is available for the product. Based on component information, material is not expected to be harmful to the environment.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Petroleum distillates, hydrotreated light naphthenic (64742-53-6)

Test & Species

96 Hr LC50 Oncorhynchus mykiss
48 Hr EC50 Daphnia magna

Results & Conditions

>5000 mg/L
>1000 mg/L

Urea (57-13-6)

Test & Species

96 Hr LC50 Poecilia reticulata
24 Hr EC50 Daphnia magna Straus
48 Hr EC50 Daphnia magna

Results & Conditions

16200-18300 mg/L
>10000 mg/L
3910 mg/L [Static]

Potassium hydroxide (1310-58-3)

Test & Species

96 Hr LC50 Gambusia affinis

Results & Conditions

80 mg/L [static]

Persistence & Degradability

No information available for the product.

Bioaccumulation & Accumulation

No information available for the product.

Mobility in Environmental Media

No information available for the product.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations. In case of large spills, follow all facility Emergency Response Procedures. Do not allow this material to drain into sewers/water supplies.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Not regulated as a hazardous material.

TDG Information

Not regulated as dangerous goods.

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

No information available for the product.

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4) and/or TSCA 12(b).

Potassium hydroxide (1310-58-3)

CERCLA: 1000 lb final RQ; 454 kg final RQ

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

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

State Regulations

No information available for the product.

Component Analysis - State

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

Component	CAS	CA	MA	MN	NJ	PA	RI
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	No	Yes	No	No	No	No
Urea	57-13-6	No	No	Yes	No	No	No
Potassium hydroxide	1310-58-3	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

WHMIS Classification: D2A

Additional Regulatory Information

All the components of this substance are listed on or are exempt from the inventories.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	Yes	DSL
Urea	57-13-6	Yes	DSL
Potassium hydroxide	1310-58-3	Yes	DSL

* * * Section 16 - Other Information * * *

MSDS History

New MSDS: 06/13/2011

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m³ = milligrams per Cubic Meter; MSHA = Mine Safety and Health Administration; NA = Not Applicable or Not Available; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; TDG = Transport Dangerous Goods; TSCA = Toxic Substances Control Act; WHMIS = Workplace Hazardous Materials Information System.

End of Sheet WWHC-011