Material Safety Data Sheet

Material Name: HENRY 622

*** 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)

*** 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 ***

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-53-6</td>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>1 – 5 %</td>
</tr>
<tr>
<td>57-13-6</td>
<td>Urea</td>
<td>1 – 5 %</td>
</tr>
<tr>
<td>1310-58-3</td>
<td>Potassium hydroxide</td>
<td>0.1 – 1.0 %</td>
</tr>
</tbody>
</table>

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
- British Columbia: 2 mg/m³ Ceiling
- Alberta: 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
Odor: Mild
Physical State: Solid
pH: 8.4-8.8
Vapor Pressure: Not available
Vapor Density: Not available
Boiling Point: Not available
Melting Point: Not available
Solubility in Water: Not available
Specific Gravity: 1.03
Density: 8.6 lb/gal
Flash Point Method: Not available
Flash Point: Water-based
Auto Ignition: Not available
Lower Flammability Limit: Not available
Sensit. to Mech. Impact: No
Upper Flammability Limit: Not available
Decomposition Temperature: Not available
Evaporation Rate: Not available
Viscosity: Not available
Percent Volatile: 37.5-39.5
VOC: 0 g/L
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 irritation.

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)

<table>
<thead>
<tr>
<th>Test &amp; Species</th>
<th>Results &amp; Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Oncorhynchus mykiss</td>
<td>&gt;5000 mg/L</td>
</tr>
<tr>
<td>48 Hr EC50 Daphnia magna</td>
<td>&gt;1000 mg/L</td>
</tr>
</tbody>
</table>

Urea (57-13-6)

<table>
<thead>
<tr>
<th>Test &amp; Species</th>
<th>Results &amp; Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Poecilia reticulata</td>
<td>16200-18300 mg/L</td>
</tr>
<tr>
<td>24 Hr EC50 Daphnia magna Straus</td>
<td>&gt;10000 mg/L</td>
</tr>
<tr>
<td>48 Hr EC50 Daphnia magna</td>
<td>3910 mg/L [Static]</td>
</tr>
</tbody>
</table>

Potassium hydroxide (1310-58-3)

<table>
<thead>
<tr>
<th>Test &amp; Species</th>
<th>Results &amp; Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Gambusia affinis</td>
<td>80 mg/L [static]</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Urea</td>
<td>57-13-6</td>
<td>No</td>
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<td>Yes</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
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<td>1310-58-3</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>Yes</td>
<td>DSL</td>
</tr>
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<td>57-13-6</td>
<td>Yes</td>
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*** 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