

MATERIAL SAFETY DATA SHEET

Section 1 - Identification

Manufacturer's name and address:

HENRY.

The W.W. Henry Company

400 Ardex Park Drive
Aliquippa, PA, U.S.A.
15001

Information Telephone No. : (724) 203-8499

Visit our Website: <http://www.wwhenry.com>

24 Hr. Emergency Tel # : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

Product Identifier : **Henry 377 Carpet Pad Adhesive**

Chemical Name : N/Ap

Chemical Family : Mixture.

Chemical Formula : N/Ap

Trade Name/Synonyms : Henry® 377

Molecular Weight : N/Ap

Material Use : Filled, water-based adhesive.

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 1 *Reactivity:* 0

SECTION 2 - HAZARDS IDENTIFICATION

Classification : WHMIS classification:
This product is not a WHMIS controlled product in Canada.

OSHA: This material is not classified as hazardous under OSHA regulations (29 CFR Part 1910.1200).

Emergency overview: : Beige, creamy liquid. Mild odour.
Causes mild respiratory irritation. Contact with eyes or skin may cause mild irritation.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation : Inhalation of vapours may cause mild irritation to the mucous membrane.

Skin : May cause mild transient irritation. Prolonged contact, may be more irritating.

Eyes : May cause mild transient irritation.

Ingestion : Ingestion of large amounts may cause stomach irritation.

Effects of long-term (chronic) exposure

: None known or reported by the manufacturer.

Carcinogenic status : See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards : See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects

: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt.%</u>
Kaolin	1332-58-7	15.00 - 40.00
Distillates (petroleum), severely solvent refined heavy naphthenic	64741-96-4	7.00 - 13.00
Urea	57-13-6	1.00 - 5.00
Ethanolamine	141-43-5	0.10 - 1.00

Note: This product does NOT contain asbestos.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If inhaled, move to fresh air. If irritation persists, seek prompt medical attention.
- Skin contact** : Remove contaminated clothing. Wash off with soap and plenty of water. If irritation persists, seek prompt medical attention.
- Eye contact** : Flush with plenty of water. If irritation persists, seek prompt medical attention.
- Ingestion** : Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if symptoms develop and persist.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES**Fire hazards/conditions of flammability**

- : Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.1200)

- : Combustible Liquid Class III B.

Oxidizing properties

- : None.

Explosion data: Sensitivity to mechanical impact / static discharge

- : Not expected to be sensitive to mechanical impact or static discharge.

Suitable extinguishing media

- : Carbon dioxide (CO₂); Dry chemical; Water spray; Foam .

Special fire-fighting procedures/equipment

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

Hazardous combustion products

- : Carbon monoxide, carbon dioxide and other toxic vapors and gases, that are common to thermal degradation of organic compounds.

NFPA Rating

- 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
- : *Health:* 1 *Flammability:* 1 *Instability:* 0 *Special Hazards:* None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Restrict access to area until completion of clean-up. Wear suitable protective equipment. For personal protection see section 8.
- Environmental precautions** : Do not allow product to enter waterways. Do not allow material to contaminate ground water system.
- Spill response/cleanup** : Ventilate area of release. Eliminate all ignition sources. Stop spill or leak at source if safely possible. Contain material, preventing it from entering sewer lines or waterways. Use inert, non-combustible absorbents to assist the pick up of material. Scrape up product and place it into a container for disposal. Residual of product, while still wet, can be cleaned up with warm soapy water. Refer to Section 13 for disposal of contaminated material. Notify the appropriate authorities as required.
- Prohibited materials** : None known.
- Special spill response procedures** : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): None reported.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Wear suitable protective equipment during handling. Use with adequate ventilation. Training the workers on the potential health hazards associated with product vapor, dust or fume is important. Secondary inhalation exposures could occur when cleaning equipment, or when removing or laundering the clothing. Avoid breathing vapors, fumes or dust. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Keep away from oxidizing materials. Avoid and control operations which create high vapor or dust concentrations. Keep containers tightly closed when not in use. Wash thoroughly after handling.

- Storage requirements** : Store in a cool, dry, well-ventilated area. No smoking in the area. Do not store near any incompatible materials (see Section 10). Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Protect against physical damage. Recommended storage temperature: < 32.2°C (90°F).
- Incompatible materials** : See Section 10.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Kaolin	2 mg/m ³ (respirable)	N/Av	15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	N/Av
Distillates (petroleum), severely solvent refined heavy naphthenic	5 mg/m ³ (As 'Oil mist, mineral')	10 mg/m ³ (As 'Oil mist, mineral')	5 mg/m ³ (As 'Oil mist, mineral')	N/Av
Urea	10 mg/m ³ (AIHA WEEL)	N/Av	N/Av	N/Av
Ethanolamine	3 ppm	6 ppm	3 ppm	N/Av

Ventilation and engineering measures

- : Use with adequate ventilation. Provide adequate cross air circulation. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection

- : Not required under normal conditions of handling. If mists are formed, or in confined spaces, respiratory protection may be required. NIOSH-approved respirators are recommended.

Skin protection

- : Where contact is likely, impervious gloves are recommended. Advice should be sought from glove suppliers.

Eye / face protection

- : Safety glasses with side shields should be used with this product.

Other protective equipment

- : Wear sufficient clothing to prevent skin contact. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

- : Avoid contact with eyes, skin and clothing. Avoid breathing vapors, fumes or dust. Do not eat, drink or smoke when using this product. Clean all equipment and clothing at end of each work shift.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid	Appearance	: Beige, creamy liquid.
Odour	: Mild odour.	Odour threshold	: N/Av
pH	: 9.1		
Boiling point	: > 100°C (212°F)	Specific gravity	: 1.24
Melting/Freezing point	: N/Av	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20° C / 68° F)	: N/Av	Solubility in water	: Miscible
Vapour density (Air = 1)	: > 1	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Volatile organic Compounds (VOC's)	: 4 g/L (calculated at 21°C / 70°F, SCAQMD)	Volatiles (% by weight)	: 42.9%
Particle size	: N/Av	General Info.	: Weight / Gallon: 10.26 lbs (water = 8.3 lbs)
Flash point	: > 93.3°C (200°F)		
Flash point Method	: Setaflash Closed Tester	Auto-ignition temperature	: N/Av

Lower flammable limit (% by vol.) : N/Av
Upper flammable limit (% by vol.) : N/Av
Flame Projection Length : Not applicable.
Flashback observed : Not applicable.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization : Hazardous polymerization does not occur.
Conditions to avoid : Extreme heat.
Materials To Avoid And Incompatibility : Oxidizing agents.
Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs : Eyes, skin, respiratory system and digestive system.
Routes of exposure : *Inhalation*: YES *Skin Absorption*: NO *Skin & Eyes*: YES *Ingestion*: YES
Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
Kaolin	N/Av	N/Av	N/Av
Distillates (petroleum), severely solvent refined heavy naphthenic	2.18 mg/L (mist)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Urea	N/Av	8471 mg/kg (rat)	N/Av
Ethanolamine	N/Av	1720 mg/kg (rat)	1000 mg/kg (rabbit)

Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Reproductive effects : None known.
Teratogenicity : None known.
Mutagenicity : None known.
Epidemiology : Not available.
Sensitization to material : Not expected to be a skin or respiratory sensitizer.
Synergistic materials : N/Av
Irritancy : Mild.
other important hazards : See Section 3 for additional information.
Conditions aggravated by overexposure : Pre-existing skin, eye and respiratory disorders.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
Mobility : No data is available on the product itself.
Persistence : No data is available on the product itself.
Bioaccumulation potential : No data is available on the product itself.
Other Adverse Environmental effects : None known.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle waste according to recommendations in Section 7.
Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	none	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	none	
49CFR/DOT Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

Canadian Information:

Canadian Environmental Protection Act (CEPA): All components of this product are on the Canadian DSL list.

Canadian WHMIS Classification: *This product is not a WHMIS Controlled Product. It does not meet any of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.*

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Kaolin (MA, MN, NJ, PA, RI); Urea (MN); Ethanolamine (CA, MA, MN, NJ, PA, RI).

SECTION 16 - OTHER INFORMATION

Legend :

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Association
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer

LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Av: Not Available
N/Ap: Not Applicable
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2012.
- 2. International Agency for Research on Cancer Monographs, searched 2012.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2012 (Chempendium and RTECs).
- 4. Material Safety Data Sheet from manufacturer.
- 5. US EPA Title III List of Lists - October 2012 version.
- 6. California Proposition 65 List - November 02, 2012 version.

DISCLAIMER OF LIABILITY

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

No warranty of any kind is given or implied. The W.W. Henry Company will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein. This Material Safety Data Sheet is valid for three (3) years.

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