

MATERIAL SAFETY DATA SHEET

Section 1 - Identification

Manufacturer's name and address:

HENRY.

The W.W. Henry Company

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

Product Identifier : **Henry 263 "WeatherPro" Outdoor Carpet Adhesive**

Chemical Name : N/Ap **Chemical Family** : Mixture.

Chemical Formula : N/Ap **Trade Name/Synonyms** : Henry® 263

Molecular Weight : N/Ap **Material Use** : Adhesive for installation of exterior carpet. Solvent-based.

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

Health: *1 *Flammability:* 3 *Reactivity:* 0

SECTION 2 - HAZARDS IDENTIFICATION

Classification : WHMIS information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). Refer to Section 1 for a WHMIS Classification for this product.
WHMIS classification:
Class B2 (Flammable Liquids);
Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material).

OSHA: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

Hazardous classification:
Flammable liquid;
Acute Health Hazard;
Chronic Health Hazard.

Emergency overview: : Paste - tan. Mild solvent odour.
Warning!
Flammable liquid and vapour. Vapour may cause flash fire! May be harmful if inhaled or swallowed. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. May be an aspiration hazard. Aspiration may occur during swallowing or vomiting, resulting in lung injury. May cause respiratory irritation. Prolonged or repeated skin contact may cause drying and irritation. Contains particles which may cause lung damage or cancer if inhaled in large quantities.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation : May cause irritation to the nose, throat and upper respiratory tract. Inhaling high concentrations may cause central nervous system depression, with effects ranging from dizziness and headache to unconsciousness.

Skin : Slight to moderate irritation.

Eyes : May cause mild eye irritation.

Ingestion : May cause irritation of mouth, throat, and stomach. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

Effects of long-term (chronic) exposure

: Prolonged or repeated skin exposure may cause redness, a burning sensation, drying and cracking of the skin (dermatitis). Prolonged overexposure may cause liver and kidney effects. If dusts are formed, prolonged inhalation may cause scarring of lung tissue, a disease called silicosis.

Carcinogenic status

: Possible cancer hazard. 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	10.00 - 30.00
Hydrotreated light naphtha (petroleum)	64742-49-0	10.00 - 30.00
Limestone	1317-65-3	10.00 - 20.00
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10.00 - 20.00
Solvent naphtha (petroleum), light aliphatic	64742-89-8	10.00 - 20.00
Crystalline silica	14808-60-7	0.10 - 1.00
Titanium dioxide	13463-67-7	0.10 - 0.50

SECTION 4 - FIRST AID MEASURES

Inhalation

: If inhaled, move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.

Skin contact

: Remove contaminated clothing. Wash off with soap and plenty of water. If irritation persists, seek prompt medical attention.

Eye contact

: For eye contact, flush with running water for at least 15 minutes. If irritation persists, seek prompt medical attention.

Ingestion

: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.

Notes For Physician

: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Flammable liquid and vapour.
 Vapours are heavier than air and collect in confined and low-lying areas. Vapour can travel considerable distance and flashback to a source of ignition.
 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. May be sensitive to static discharge. Vapours in the flammable range may be ignited by a static discharge of sufficient energy.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog. Do not use a solid water stream as it may scatter and spread fire.

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.
 After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

Hazardous combustion products

: Carbon oxides; Aldehydes; Nitrogen oxides (NOx); Sulphur oxides; Polycyclic aromatic hydrocarbons; calcium oxide; Other unidentified organic compounds.

NFPA Rating

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

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

: Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment. Refer to point 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

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. Use only non-sparking tools and equipment in the clean-up process. Use inert, non-combustible absorbents to assist the pick up of material. Scrape up product and place it into a container for disposal. Refer to Section 13 for disposal of contaminated material. Residual of product, while still wet, can be cleaned up with warm soapy water. Notify the appropriate authorities as required.

Prohibited materials

: Do not use combustible absorbents, such as sawdust.

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): Not applicable.

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, sparks, and open flames. Ground all equipment during handling. Keep away from oxidizing materials. 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. 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

: Strong oxidizing agents; Acids; Alkalies.

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
Hydrotreated light naphtha (petroleum)	N/Av	N/Av	N/Av	N/Av
Limestone	N/Av	N/Av	15 mg/m ³ (total dust); 5 mg/m ³ (respirable)	N/Av
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ (inhalable) (As 'Oil mist, mineral')	N/Av	5 mg/m ³ (As 'Oil mist, mineral')	N/Av
Solvent naphtha (petroleum), light aliphatic	N/Av	N/Av	500 ppm	N/Av

Crystalline silica	0.025 mg/m ³ (respirable)	N/Av	0.1 mg/m ³ (final rule limit)	N/Av
Titanium dioxide	10 mg/m ³	N/Av	15 mg/m ³ (total dust)	N/Av

*Note: The OSHA PEL's listed above for Solvent naphtha (petroleum), light aliphatic are final rule / vacated values, and are for 'VM&P Naphtha'.

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

: Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended.

Skin protection

: Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.

Eye / face protection

: Safety goggles or glasses as appropriate for the job.

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	: paste	Appearance	: tan
Odour	: Mild solvent odour.	Odour threshold	: N/Av
pH	: N/Av		
Boiling point	: N/Av	Specific gravity	: 1.12
Melting/Freezing point	: N/Av	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20° C / 68° F)	: N/Av	Solubility in water	: Insoluble.
Vapour density (Air = 1)	: > 1	Evaporation rate (n-Butyl acetate = 1)	: < 1
Volatile organic Compounds (VOC's)	: 325 g/L (2.71 lbs/gal)	Volatiles (% by weight)	: 30.2%
Particle size	: N/Av	General Info.	: No additional information.
Flash point	: < - 6.7°C (20°F) (based on ingredients)		
Flash point Method	: Setaflash Closed Tester	Auto-ignition temperature	: N/Av
Lower flammable limit (% by vol.)	: 1.1% (based on ingredients)	Upper flammable limit (% by vol.)	: 7.5% (based on ingredients)
Flame Projection Length	: N/Av	Flashback observed	: N/Av

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity	: Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization	: Hazardous polymerisation does not occur.
Conditions to avoid	: Do not use in areas without adequate ventilation. Extreme heat. Temperatures above: 32.2°C (90°F).
Materials To Avoid And Incompatibility	: Oxidizing agents; Acids; Alkalies.
Hazardous decomposition products	: None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs	: Eyes, skin, respiratory system, central nervous system, liver and kidneys.
Routes of exposure	: <i>Inhalation:</i> YES <i>Skin Absorption:</i> NO <i>Skin & Eyes:</i> YES <i>Ingestion:</i> YES

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	LC₅₀(4hr) inh, rat	LD₅₀	
		oral	dermal
Kaolin	N/Av	> 5000 mg/kg	> 5000 mg/kg
Hydrotreated light naphtha (petroleum)	N/Av	N/Av	N/Av
Limestone	N/Av	6450 mg/kg	N/Av
Distillates (petroleum), hydrotreated heavy naphthenic	> 4 mg/L	> 5000 mg/kg	> 2000 mg/kg
Solvent naphtha (petroleum), light aliphatic	N/Av	> 8000 mg/kg	3000 mg/kg
Crystalline silica	N/Av	N/Av	N/Av
Titanium dioxide	> 6820 mg/m ³	> 25,000 mg/kg	> 10,000 mg/kg

Carcinogenic status : This product contains Crystalline silica - Quartz. Crystalline silica - Quartz is classified as carcinogenic by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen).

Contains Titanium dioxide. Titanium dioxide is classified as possibly carcinogenic by IARC (Group 2B).

Reproductive effects : Not expected to cause reproductive effects.

Teratogenicity : Not expected to be a teratogen.

Mutagenicity : Not expected to be mutagenic in humans.

Epidemiology : Not available.

Sensitization to material : Not expected to be a skin or respiratory sensitizer.

Synergistic materials : N/Av

Irritancy : Slight to moderate irritation.

other important hazards : See Section 2 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	UN1133	ADHESIVES	3	II	
TDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5.0 L, in combination packagings no larger than 30 kg gross mass. Under the TDGR, refer to Section 1.17 for additional exemption information, if shipping under this exemption.				
49CFR/DOT	UN1133	Adhesives	3	II	
49CFR/DOT Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5.0 L, in combination packagings no larger than 30 kg gross mass. Refer to 49 CFR 173.150(b) and Special Provision 149.				

SECTION 15 - REGULATORY INFORMATION**Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: 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): Not applicable.

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: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm. Contains: Crystalline silica, quartz; This product may also contain trace amounts of: Naphthalene; Ethylbenzene; Toluene; benzene; Lead; Cadmium.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Kaolin (MA, MN, NJ, PA, RI); Limestone powder (MA, MN, NJ, PA, RI); Crystalline silica, quartz (MA, MN, NJ, PA, RI); titanium dioxide (MA, MN, NJ, PA, RI).

SECTION 16 - OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- 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
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- 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
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2011.
- 2. International Agency for Research on Cancer Monographs, searched 2011.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2011 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - October 2006 version.
- 6. California Proposition 65 List - April 15, 2011 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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Revision Information

- : Sections 2 and 3, switched.
- (M)SDS sections updated:
 - 2. HAZARDS IDENTIFICATION;
 - 3. COMPOSITION/INFORMATION ON INGREDIENTS;
 - 5. FIRE-FIGHTING MEASURES;
 - 8. EXPOSURE CONTROLS / PERSONAL PROTECTION;
 - 9. PHYSICAL AND CHEMICAL PROPERTIES;
 - 11. TOXICOLOGICAL INFORMATION;
 - 15. REGULATORY INFORMATION.

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