


SECTION 1 - PRODUCT IDENTIFICATION		
Manufacturer/Supplier identifier:  The W.W. Henry Company 400 Ardex Park Drive Aliquippa, PA 15001 U.S.A. Tel: (724) 203-8499		MATERIAL SAFETY DATA SHEET Use in case of emergency only: CHEM-TEL – 1-800-255-3924 OR 1-813-248-0585 (call collect) Visit our Website: http://www.wwhenry.com
Product identifier/Trade name: <i>Henry 440 Cove Base Adhesive</i>		HMIS Hazard Index: HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal WHMIS Classification: Not Controlled
CHEMICAL NAME Not Applicable	CHEMICAL FAMILY Not Applicable	CHEMICAL FORMULA Not Applicable
TRADE NAME AND SYNONYMS Henry® 440	MOLECULAR WEIGHT Not Applicable	MATERIAL USE Filled water-based adhesive

SECTION 2 - CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS						
Hazardous Ingredients	C.A.S. Numbers	% (weight)	OSHA PEL		ACGIH TLV	
			TWA	STEL	TWA	STEL
None	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
This material is not classified as hazardous under OSHA regulations (29CFR 1910.1200).						

SECTION 3 - HAZARDS IDENTIFICATION	
Emergency Overview Tan colored paste with a mild odor. May cause a slight transient eye and skin irritation.	
POTENTIAL HEALTH EFFECTS:	
Primary entry route(s): Skin, eye, ingestion and inhalation.	
Target organs: None	
Effects of short-term (acute) exposure: <u>Inhalation:</u> None expected. <u>Skin:</u> May cause a slight transient skin irritation. <u>Eye:</u> May cause a slight transient eye irritation. <u>Ingestion:</u> None expected. May cause nausea, and irritation to the mouth and digestive tract if ingested in large amounts.	
Effects of long-term (chronic) exposure: None expected.	
Conditions aggravated by exposure: None.	Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.
Additional health hazards: For further information, see TOXICOLOGICAL INFORMATION, Section 11.	Potential environmental effects: See ECOLOGICAL INFORMATION (Section 12).

SECTION 4 - FIRST AID MEASURES

Inhalation: None.

Skin contact: flush skin thoroughly with lukewarm water. Under running water, remove contaminated clothing. Call a physician if irritation persists.

Eye contact: Flush eyes thoroughly with lukewarm water while holding the eyelid(s) open. Consult a physician if pain, irritation or vision problems persist after treatment.

Ingestion: Do not induce vomiting. Never give anything by mouth if patient is unconscious. Seek medical attention if symptoms develop.

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

Product is not flammable under normal conditions.

Flammability classification (OSHA 29 CFR 1910.1200):

Non-flammable.

Flash point (Method):

> 93.3°C / > 200°F (Setaflash Closed Tester)

Lower flammable limit (% by volume):

Not applicable

Upper flammable limit (% by volume):

Not applicable

Auto-ignition temperature:

N/Av

Hazardous combustion products:

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

Sensitivity to mechanical impact:

N/Av

Sensitivity to static discharge:

N/Av

Suitable extinguishing media:

Carbon dioxide, dry chemical powder, appropriate foam or water fog.

Special fire-fighting procedures/equipment:

Firefighters should wear proper chemically protective equipment and self-contained breathing apparatus. Move containers from fire area if it can be done without risk. Closed containers may explode with the pressure building from the heat. Use water to cool fire exposed containers. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Wear personal protective equipment during cleanup. Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment especially where exposure to vapor, dust or fume is possible.

Spill response/Cleanup:

Ventilate area of spill or release. Eliminate all sources of ignition. Contain material, preventing it from entering sewer lines or waterways. Use 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. Notify the appropriate authorities as required.

Environmental precautions:

Do not allow material to be discharged into the atmosphere or into sewers or ground water.

Special spill response procedures:

If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity (RQ): None to report.

SECTION 7 - HANDLING AND STORAGE**Safe handling procedures:**

Wear suitable protective equipment. 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. Do not breathe vapors, fumes or dust. Avoid contact with eyes, skin and clothing. Keep away from flame, sparks and other ignition sources. Avoid and control operations which create vapors/dusts.

SECTION 7 - HANDLING AND STORAGE continued**Storage requirements:**

Store in a cool (temperature below 32.2°C / 90°F), dry, well-ventilated area. No smoking in the area. Protect from damage.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**Engineering controls:**

Use with adequate ventilation. Normal ambient ventilation should be sufficient.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Respiratory protection should not be required.

Skin protection and other protective equipment: Impervious gloves appropriate to the material if skin contact with product is expected. Advice should be sought from glove suppliers. Where exposure to product is possible use protective clothing. An eyewash fountain and safety shower should be made available in the immediate working area.

Eye / face protection: Wear safety glasses to prevent any product from entering the eyes.

Permissible exposure levels:

For individual ingredient exposure levels, see Section 2.

General Hygiene Considerations:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors/dusts. Never eat, drink, or smoke in work areas. Clean all equipment and clothing at end of each work shift.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste (liquid)		Odor and appearance: Tan colored paste with a mild odor.	
Odor threshold: N/Av	Specific gravity (water = 1): 1.4	Vapor pressure: Same as water	Vapor density: Same as water
Evaporation rate: Same as water	Boiling point: > 100°C / 212°F	Melting/freezing point: N/Av	Solubility in water: Dispersible
% volatile by volume: N/Av	pH: 9	Coefficient of oil/water distribution: N/Av	Particle size: N/Av
% volatile by weight: 36-40 % (30 min. at 135°C / 275°F)	Weight/Gallon: 11.7 lbs (water = 8.3 lbs)	Volatile Organic Content (VOC): Zero calculated at 21°C / 70°F, SCAQMD	

SECTION 10 – REACTIVITY AND STABILITY DATA**Stability and reactivity:**

Stable under the recommended storage and handling conditions prescribed.

Polymerization:

Hazardous polymerization will not occur.

Conditions to avoid:

Temperatures above 32.2°C / 90°F.

Materials to avoid:

Strong oxidizing agents.

Hazardous decomposition products:

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

SECTION 11 - TOXICOLOGICAL INFORMATION**Toxicological data:**

There is no available data for the product itself. See below for individual ingredient acute toxicity data.

Ingredients:

None

LD₅₀ (route, species):

Not available.

LC₅₀ (species):

Not available.

SECTION 11 - TOXICOLOGICAL INFORMATION continued	
Carcinogenicity: No ingredient classified as carcinogenic to humans by IARC, NTP, OSHA and ACGIH.	
Teratogenicity, mutagenicity, other reproductive effects: None known.	
Sensitization to material: None known.	Synergistic materials: N/Av
Irritancy of material: Low degree of irritation.	
For more details, refer to Section 3.	

SECTION 12 - ECOLOGICAL INFORMATION
Environmental effects: N/Av
Important environmental characteristics: N/Av
Aquatic toxicity: N/Av

SECTION 13 - WASTE DISPOSAL
Handling and storage conditions for disposal: Handle according to recommendations listed in Section 7.
Methods of disposal: Dispose of in sealed containers in accordance with all applicable government regulations. Dispose in accordance with all applicable federal, provincial, state and local regulations. Contact your local, state or federal environmental agency for specific rules.
RCRA: If this product, as supplied, becomes a waste, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. Waste classification should be determined by the end user of the product. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORTATION INFORMATION
Transportation of Dangerous Goods (TDG) Information: This product is not regulated according Canadian Regulations.
US DOT 49 CFR information: This product is not regulated according to US Regulations.

SECTION 15 - REGULATORY INFORMATION
In Canada: WHMIS information: This product is not controlled by WHMIS. It does not meet the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.
CEPA information: No ingredient listed on the DSL/NDSL.

SECTION 15 - REGULATORY INFORMATION continued**In U.S.A.:****TSCA information:**

No ingredient listed on the TSCA inventory.

DOT/CERCLA Reportable Quantity (RQ): None Reportable

SARA TITLE III:

Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to the TSCA notification requirements, since it does not contain any Toxic Chemical constituents above the minimum levels.

California Proposition 65:

This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

New Jersey Hazardous Substance Lists:

This product contains the following listed hazardous substances above threshold percentages:

<u>Chemical Name</u>	<u>CAS #</u>
None	None

SECTION 16 - OTHER INFORMATION**Prepared by:**

The W.W. Henry Company

Telephone number:

(724) 203-8499

Preparation date:

December 13, 2004

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2004.
2. International Agency for Research on Cancer Monographs, 2004.
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2004 (Chempendium and RTECs).
4. Material Safety Data Sheet from manufacturer.
5. US EPA Title III List of Lists – October 2001 version.
6. California Proposition 65 List – December 7, 2004 version.

Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists
 CAS = Chemical Abstract Service
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR = Code of Federal Regulations (Transportation in U.S.A.)
 DOT = Department of Transport (U.S.A.)
 DSL = Domestic Substance List
 IARC = International Agency for Research on Cancer
 N/Av = Not available.
 N/Ap = Not applicable
 NIOSH = National Institute for Occupational Safety and Health
 NTP = National Toxicology Program (U.S.A.)
 OSHA = Occupational Safety and Health Administration (U.S.A.)
 PEL = Permissible Exposure Limit
 RCRA = Resource Conservation and Recovery Act
 SARA = Superfund Amendments & Reauthorization Act
 STEL = Short-term Exposure Limit
 TLV = Threshold Limit Value
 TSCA = Toxic Substances Control Act
 TWA = Time Weighted Average
 WHMIS = Workplace Hazardous Materials Information System

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. 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.

End of the MSDS