# Material Safety Data Sheet

**Material Name: Henry Easy Release Adhesive Remover** **MSDS ID: WWHC-003**

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

### Manufacturer Information

The W.W. Henry Company
400 Ardex Park Drive
Aliquippa, PA 15001

Phone: 724-203-8499

Emergency # CHEM-TEL 800-255-3924
1-813-248-0585 (Call collect)

## * * * Section 2 - Hazards Identification * * *

### Emergency Overview

DANGER! Corrosive. Causes skin and eye burns. Toxic. Harmful if inhaled, swallowed or absorbed through the skin. Contains components which may be absorbed through the skin. May cause severe irritation to the respiratory tract if vapors are inhaled.

### Hazard Statements

Do NOT get into eyes, on skin or on clothing. Do NOT breathe vapor. Do NOT swallow. Wash thoroughly after handling. Clean contaminated clothing before reuse. Keep container tightly closed. Use only with adequate ventilation. Keep out of the reach of children.

### Potential Health Effects: Eyes

Causes burns if in contact with the eyes. May cause permanent eye damage if not treated promptly.

### Potential Health Effects: Skin

Causes burns if in contact with the skin. Harmful if absorbed through the skin in significant amounts. Contains components for which skin absorption is possible.

### Potential Health Effects: Ingestion

Harmful if swallowed. May cause burns to the mouth, throat and digestive tract.

### Potential Health Effects: Inhalation

Vapors are harmful if inhaled. May cause severe irritation to the respiratory system producing coughing and difficulty breathing. May cause drowsiness, dizziness, or loss of coordination if inhaled in large amounts.

**HMIS Ratings: Health:** 3 **Fire:** 0 **Reactivity:** 0 **Pers. Prot.:** safety glasses with side shields and gloves
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

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

| CAS # | Component | Percent |
|---|---|---|
| 141-43-5 | Ethanolamine | 7-13 |
| 111-76-2 | 2-Butoxyethanol | 7-13 |

### 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).

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

### First Aid: Eyes

Immediately flush eyes with large amounts of water, including under the eyelids, for 15-30 minutes. Remove contact lenses if present and easy to do. Obtain immediate medical attention.

### First Aid: Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Wash with mild soap if needed to completely remove material. Obtain immediate medical attention.

### First Aid: Ingestion

Obtain immediate medical attention. 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.
Material is not flammable.

### Hazardous Combustion Products

Under conditions of fire, material may decompose and emit oxides of nitrogen, carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

### Extinguishing Media

Use extinguishing media appropriate for surrounding materials.

### 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:** 3 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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

### Personal Precautions

Do NOT get into eyes, on skin or on clothing. Do NOT breathe vapor. Do NOT swallow. Wash thoroughly after handling. Clean contaminated clothing before reuse. Keep container tightly closed. Use only with adequate ventilation.

### Containment Procedures

Wear appropriate personal protective equipment to prevent contact with material during clean up procedure, including impervious gloves and safety glasses. Contain spill with inert material. Block any potential routes to water systems.

### Environmental Precautions

Prevent discharge into sewers or waterways.

## Clean-Up Procedures

Ventilate the area. If spill is large, be prepared to isolate the hazard area. Deny access to persons who are not involved in the cleanup and/or who have not been properly trained in spill management of hazardous liquids. Absorb spill with inert material. Carefully place material into appropriate container for disposal. Rinse area with clean, cold water and then dry.

## Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

## Special Procedures

Material is corrosive; avoid contact during clean up. Spilled material may be slippery.

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

## Handling Procedures

Observe good hygiene standards when handling this material. Do NOT get into eyes, on skin or on clothing. Do NOT breathe vapor. Do NOT swallow. Wash thoroughly after handling. Clean contaminated clothing before reuse. Keep container tightly closed. Use only with adequate ventilation.

## Storage Procedures

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

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

### Component Exposure Limits

Consult local authorities for acceptable exposure limits.

**Ethanolamine (141-43-5)**

| | |
|---|---|
| ACGIH: | 3 ppm TWA<br>6 ppm STEL |
| OSHA: | 3 ppm TWA; 8 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| NIOSH: | 3 ppm TWA; 8 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| Alberta: | 3 ppm TWA; 7.5 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| British Columbia: | 3 ppm TWA<br>6 ppm STEL |
| Manitoba: | 3 ppm TWA<br>6 ppm STEL |
| New Brunswick: | 3 ppm TWA; 7.5 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| NW Territories: | 3 ppm TWA; 7.5 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| Nova Scotia: | 3 ppm TWA<br>6 ppm STEL |
| Nunavut: | 3 ppm TWA; 7.5 mg/m3 TWA<br>6 ppm STEL; 15 mg/m3 STEL |
| Ontario: | 3 ppm TWAEV; 7.5 mg/m3 TWAEV<br>6 ppm STEV; 15 mg/m3 STEV |
| Quebec: | 3 ppm TWAEV; 7.5 mg/m3 TWAEV<br>6 ppm STEV; 15 mg/m3 STEV |
| Saskatchewan: | 3 ppm TWA<br>6 ppm STEL |
| Yukon: | 3 ppm TWA; 6 mg/m3 TWA<br>6 ppm STEL; 12 mg/m3 STEL |

**2-Butoxyethanol (111-76-2)**

| | |
|---|---|
| ACGIH: | 20 ppm TWA |
| OSHA: | 25 ppm TWA; 120 mg/m3 TWA |
| | Prevent or reduce skin absorption |
| NIOSH: | 5 ppm TWA; 24 mg/m3 TWA |
| | Potential for dermal absorption |
| Alberta: | 20 ppm TWA; 97 mg/m3 TWA |
| British Columbia: | 20 ppm TWA |
| Manitoba: | 20 ppm TWA |
| New Brunswick: | 25 ppm TWA; 121 mg/m3 TWA |
| NW Territories: | 25 ppm TWA; 120 mg/m3 TWA |
| | 75 ppm STEL; 360 mg/m3 STEL |
| Nova Scotia: | 20 ppm TWA |
| Nunavut: | 25 ppm TWA; 120 mg/m3 TWA |
| | 75 ppm STEL; 360 mg/m3 STEL |
| Ontario: | 20 ppm TWAEV |
| Quebec: | 20 ppm TWAEV; 97 mg/m3 TWAEV |
| Saskatchewan: | 20 ppm TWA |
| | 30 ppm STEL |
| Yukon: | 50 ppm TWA; 240 mg/m3 TWA |
| | 150 ppm STEL; 720 mg/m3 STEL |

### 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

Chemical splash goggles or safety glasses with side shields are recommended.

### Personal Protective Equipment: Skin

Wear impervious gloves. Materials such as rubber or latex are recommended.

### Personal Protective Equipment: Respiratory

Under normal conditions of use, respiratory protection should not be necessary.

### Personal Protective Equipment: General

Eye wash fountains and emergency showers are required in the workplace when handling corrosive substances. Use good industrial hygiene practices when handling this material.

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

| | | | |
|---|---|---|---|
| **Appearance:** | Solution | **Color:** | Pale amber |
| **Odor:** | Not available | **Physical State:** | Liquid |
| **pH:** | 12.1 | **Vapor Pressure:** | Not available |
| **Vapor Density:** | Not available | **Boiling Point:** | >212° F (>100° C) |
| **Melting Point:** | Not available | **Solubility (H2O):** | Miscible |
| **Specific Gravity:** | 1.05 | **Flash Point:** | >230° F (110° C) |
| **Flash Point Method:** | Setaflash Closed Tester | **LFL:** | Not available |
| **Auto Ignition:** | Not available | **UFL:** | Not available |
| **Percent Volatile:** | > 95 % | **VOC Content:** | 4.4% per CARB, after dilution |

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

### Chemical Stability

Stable under normal conditions.

## Conditions to Avoid
None known.

## Incompatibility
Avoid contact with acids and strong oxidizing agents.

## Hazardous Decomposition
Under conditions of fire, material may decompose and emit oxides of nitrogen, carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

## Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

## * * * Section 11 - Toxicological Information * * *

## Acute Dose Effects
### A: General Product Information
Harmful if inhaled, swallowed or absorbed through the skin. Contains components which may be absorbed through the skin in harmful amounts.

### B: Component Analysis - LD50/LC50
**Ethanolamine (141-43-5)**
Oral LD50 Rat: 1720 mg/kg; Dermal LD50 Rabbit: 1 mL/kg; Dermal LD50 Rabbit: 1025 mg/kg

**2-Butoxyethanol (111-76-2)**
Inhalation LC50 Rat: 2.21 mg/L/4H; Inhalation LC50 Rat: 450 ppm/4H; Oral LD50 Rat: 470 mg/kg; Dermal LD50 Rat: 2270 mg/kg; Dermal LD50 Rabbit: 220 mg/kg

## Repeated Dose Effects
Contains components which may be absorbed through the skin in harmful amounts, especially after repeated or prolonged exposure.

## Corrosivity
Causes skin and eye burns. May cause permanent eye damage.

## Carcinogenicity
### A: General Product Information
No information is available for the product.

### B: Component Carcinogenicity
**2-Butoxyethanol (111-76-2)**
ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC: Monograph 88 [2006] (Group 3 (not classifiable))

## * * * Section 12 - Ecological Information * * *

## Ecotoxicity
### A: General Product Information
No information is available for the product.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity
**Ethanolamine (141-43-5)**

| Test & Species | | Conditions |
|---|---|---|
| 96 Hr LC50 Pimephales promelas | 227 mg/L | [flow-through] |

| | | |
|---|---|---|
| 96 Hr LC50 Brachydanio rerio | 3684 mg/L | [static ] |
| 72 Hr EC50 Scenedesmus subspicatus | 15 mg/L | |
| 48 Hr EC50 Daphnia magna | 65 mg/L | |

**2-Butoxyethanol (111-76-2)**

| Test & Species | | Conditions |
|---|---|---|
| 96 Hr LC50 Lepomis macrochirus | 2950 mg/L | |
| 24 Hr EC50 water flea | 1720 mg/L | |
| 24 Hr LC50 Daphnia magna | 1698-1940 mg/L | |

## Bioaccumulation & Accumulation

Not expected to bioaccumulate.

## Mobility in Environmental Media

Material is completely miscible in water.

## Other Adverse Effects

Material is highly alkaline and should not be discharged into sewers or waterways.

## * * * Section 13 - Disposal Considerations * * *

## US EPA Waste Number & Descriptions

### A: General Product Information

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.

### B: 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 into sewers/water supplies. Do not reuse container. Dispose of container and any unused contents in accordance with Federal, State, Provincial and Local Waste Regulations.
See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## * * * Section 14 - Transportation Information * * *

## US DOT Information

**UN Number:** UN 2491
**Shipping Name:** Ethanolamine solutions.
**Hazard Class:** 8
**Packing Group:** III

## TDG Information

**UN Number:** UN 2491
**Shipping Name:** Ethanolamine solutions.
**Hazard Class:** 8
**Packing Group:** III

## * * * Section 15 - Regulatory Information * * *

### US Federal Regulations

#### A: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

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

#### B: Component Marine Pollutants

No information is available.

### State Regulations

#### 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 |
|---|---|---|---|---|---|---|---|
| Ethanolamine | 141-43-5 | Yes | Yes | Yes | Yes | Yes | Yes |
| 2-Butoxyethanol | 111-76-2 | Yes | Yes | Yes | Yes | Yes | Yes |

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

| Component | CAS # | Minimum Concentration |
|---|---|---|
| Ethanolamine | 141-43-5 | 1 % |
| 2-Butoxyethanol | 111-76-2 | 1 % |

### WHMIS Classification: D1A, E

### Additional Regulatory Information

#### Component Analysis – Inventory

| Component | CAS # | TSCA | CAN | EEC |
|---|---|---|---|---|
| Ethanolamine | 141-43-5 | Yes | DSL | EINECS |
| 2-Butoxyethanol | 111-76-2 | Yes | DSL | EINECS |

## * * * Section 16 - Other Information * * *

### Other Information

Additional Safety Information for Consumers:

Keep locked up and out of the reach of children.
Wear suitable protective clothing, gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CARB = California Air Resources Board; 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-003