



# SAFETY DATA SHEET

Issue Date 24-May-2021

Revision Date 24-May-2021

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** HENRY 481 STOP LEAK® SILICONE SPRAY SEALER - BLACK

### Other means of identification

**Product Code** HE481B  
**UN/ID no** UN1950  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Sealant  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

<b>Supplier Address</b>	<b>Manufacturer Address</b>
HENRY COMPANY	HENRY COMPANY
15 Wallsend Dr.	999 N. Pacific Coast Hwy., Suite 800
Scarborough, ON M1E 3X6	El Segundo, CA 90245-2716
Canada	Web Site: www.henry.com www.ca.henry.com
Web Site: www.henry.com	
www.ca.henry.com	

### Emergency telephone number

**Company Phone Number** 800-486-1278  
**Emergency Telephone** US and Canada only (toll-free) : 3E Company - 1-866-519-4752 (access code 334832)  
US/Canada, all other countries: 3E Company - +1-760-476-3962 (access code 334832)  
Mexico (additional contact option): 3E Company - +52 55 41696225 (Code 334832)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian Workplace Hazardous Material Information System (WHMIS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Flammable aerosols	Category 1
Gases under pressure	Liquefied gas

### Label elements

#### **Emergency Overview**

**Danger**

**Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
Extremely flammable aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Liquefied gas

**Physical state** Aerosol

**Odor** Petroleum distillates

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Pressurized container: Do not pierce or burn, even after use  
Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Not applicable.

**Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Chemical Name	CAS No	Weight-%
Hydrocarbon propellant (containing <0.1% 1,3-butadiene) *	68476-86-8	15 - 40

Polysiloxanes (non-hazardous) *	Proprietary	10 - 30
Decamethylcyclopentasiloxane *	541-02-6	10 - 30
Nepheline syenite *	37244-96-5	7 - 13
2-Butanone, O,O,O-(methylsilyldiyl)trioxime *	22984-54-9	1 - 5
Silica, amorphous, fumed, crystalline-free *	112945-52-5	1 - 5
Carbon black *	1333-86-4	1 - 5

\*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.
<b>Eye contact</b>	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
<b>Ingestion</b>	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Use personal protective equipment as required.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	May cause redness and tearing of the eyes. May cause skin irritation. Coughing and/ or wheezing. Drowsiness. Dizziness.
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##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Flash back possible over considerable distance.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Do not puncture or incinerate cans.

### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents. Incompatible with strong acids and bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter	TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

NIOSH IDLH *Immediately Dangerous to Life or Health*

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Liquefied gas	<b>Odor threshold</b>	No information available
<b>Color</b>	black		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	< 0 °C / 32 °F		
Flash point	< -18 °C / < 0 °F		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	9%		
Lower flammability limit:	1%		
Vapor pressure	No information available		
Vapor density	> 1	(Air = 1)	
Relative density	0.9 - 1.0		
Water solubility	Insoluble in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	>100 mm <sup>2</sup> /s	@ 40 °C	
Dynamic viscosity	No information available		
Explosive properties	Not an explosive		
Oxidizing properties	Not applicable		

### Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	MIR < 1.2
Density	No information available
Bulk density	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Do not expose to temperatures above 49 °C. Extremes of temperature and direct sunlight. Heat, flames and sparks.

### Incompatible materials

Strong oxidizing agents. Incompatible with strong acids and bases.

### Hazardous Decomposition Products

Carbon oxides. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	Based on available data, the classification criteria are not met.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polysiloxanes (non-hazardous)	> 15400 mg/kg ( Rat )	> 16 mL/kg ( Rabbit )	> 8750 mg/m <sup>3</sup> ( Rat ) 7 h
Decamethylcyclopentasiloxane 541-02-6	> 24134 mg/kg ( Rat )	> 16 mL/kg ( Rabbit )	-
Silica, amorphous, fumed, crystalline-free 112945-52-5	= 3160 mg/kg ( Rat )	-	-
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-

### Information on toxicological effects

<b>Symptoms</b>	May cause redness and tearing of the eyes. May cause skin irritation. Vapors may cause drowsiness and dizziness. Coughing and/ or wheezing.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica, amorphous, fumed, crystalline-free 112945-52-5	-	Group 3	-	-
Carbon black 1333-86-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	May cause disorder and damage to the. Respiratory system. Central nervous system.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Chronic toxicity</b>	Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
<b>Target Organ Effects</b>	Eyes, Lymphatic System, Respiratory system.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 22,312.00 mg/kg  
ATEmix (dermal) 24,248.00 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

None known

0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Carbon black 1333-86-4	-	-	5600: 24 h Daphnia magna mg/L EC50

### Persistence and degradability

Not readily biodegradable.

### Bioaccumulation

Bioaccumulative potential.

Chemical Name	Partition coefficient
Hydrocarbon propellant (containing <0.1% 1,3-butadiene) 68476-86-8	<=2.8

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated packaging

Do not reuse container.

## 14. TRANSPORT INFORMATION

### DOT

UN/ID no UN1950  
Proper shipping name Aerosols  
Hazard Class 2.1  
Special Provisions N82  
Description UN1950, Aerosols, 2.1, LTD QTY  
Emergency Response Guide Number 126

### TDG

UN/ID no UN1950  
Proper shipping name Aerosols  
Hazard Class 2.1  
Description UN1950, Aerosols, 2.1, LTD QTY

### IATA

UN/ID no UN1950  
Proper shipping name Aerosols, flammable  
Hazard Class 2.1  
ERG Code 10L  
Special Provisions A145, A167, A802  
Description UN1950, Aerosols, flammable, 2.1

**IMDG**

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2
EmS-No	F-D, S-U
Special Provisions	63,190, 277, 327, 344, 959
Description	UN1950, Aerosols, 2, Limited Quantity

**15. REGULATORY INFORMATION**

All components used in this product are on the TSCA Inventory and the Canadian DSL.

**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form

Chemical Name	California Proposition 65
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Carbon black - 1333-86-4	Carcinogen
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**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Carbon black 1333-86-4	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 4	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 4	Physical hazards 0	Personal protection X

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**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**