



# SAFETY DATA SHEET

Issue Date 19-Dec-2015

Revision Date 20-Dec-2015

Version 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** BAKOR 880-11 MB FLASHING ADHESIVE

### Other means of identification

**Product Code** BK88011

**UN/ID no** UN1710

**Synonyms** None

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

**Recommended Use** Adhesives and/or sealants

**Uses advised against** No information available

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

#### **Manufacturer Address**

HENRY COMPANY

999 N. Sepulveda Blvd., Suite 800

El Segundo, CA 90245-2716

Web Site: [www.henry.com](http://www.henry.com) [www.ca.henry.com](http://www.ca.henry.com)

### Emergency telephone number

**Company Phone Number** 800-486-1278

**Emergency Telephone** CHEMTREC: 800-424-9300

CHEMTREC: 703-527-3887

CANUTEC: 613-966-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

Causes skin irritation

Causes serious eye irritation

Suspected of causing genetic defects

May cause cancer

May cause drowsiness or dizziness

**Appearance** viscous**Physical state** liquid**Odor** Solvent**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 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

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful if swallowed. May be harmful in contact with skin. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

**Unknown acute toxicity**

1E-06% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable

**Mixture**

Chemical Name	CAS No	Weight-%
Trichloroethylene *	79-01-6	30 - 60
Naphtha, petroleum, light steam-cracked, debenzenized, polymers, hydrogenated *	68132-00-3	10 - 30
Limestone *	1317-65-3	10 - 30
Asphalt *	8052-42-4	7 - 13
Polymer Blend *	Proprietary	5 - 10
Fullers earth *	8031-18-3	1 - 5

\*The exact percentage (concentration) 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>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

<b>Symptoms</b>	May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin irritation. 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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

##### Specific hazards arising from the chemical

No information available.

##### 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.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.
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##### Environmental precautions

<b>Environmental precautions</b>	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.
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**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

**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 skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trichloroethylene 79-01-6	STEL: 25 ppm TWA: 10 ppm	TWA: 100 ppm Ceiling: 200 ppm	IDLH: 1000 ppm
Limestone 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Asphalt 8052-42-4	TWA: 0.5 mg/m <sup>3</sup> benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m <sup>3</sup> fume 15 min

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** Tight sealing safety 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** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	viscous	<b>Odor threshold</b>	No information available
<b>Color</b>	black		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	No information available		
<b>Melting point / freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	>= 86 °C / 187 °F		
<b>Flash point</b>	No information available		
<b>Evaporation rate</b>	> 1		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	52		
<b>Lower flammability limit:</b>	8		
<b>Vapor pressure</b>	7.7 kPa	@ 25 °C	
<b>Vapor density</b>	4.5		
<b>Relative density</b>	1.2		
<b>Water solubility</b>	Insoluble in water		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	> 20.6 mm <sup>2</sup> /s	@ 40 °C	
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	Not an explosive		
<b>Oxidizing properties</b>	Not applicable		
<b><u>Other Information</u></b>			
<b>Softening point</b>	No information available		
<b>Molecular weight</b>	No information available		
<b>VOC Content (%)</b>	No information available		
<b>Density</b>	No information available		
<b>Bulk density</b>	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

Elevated Temperature. Incompatible materials.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### Hazardous Decomposition Products

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 drowsiness or dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin.

**Ingestion** No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trichloroethylene 79-01-6	= 4290 mg/kg ( Rat ) = 4920 mg/kg ( Rat )	= 29000 mg/kg ( Rabbit ) > 20 g/kg ( Rabbit )	= 26 mg/L ( Rat ) 4 h
Asphalt 8052-42-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

#### Information on toxicological effects

**Symptoms** May cause redness and tearing of the eyes. Coughing and/ or wheezing. Vapors may cause drowsiness and dizziness. May cause skin irritation.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.  
**Germ cell mutagenicity** Contains a known or suspected mutagen.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trichloroethylene 79-01-6	A2	Group 1	Reasonably Anticipated	X
Asphalt 8052-42-4	-	Group 2B	-	X
Polymer Blend	-	Group 3	-	-

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A2 - Suspected Human Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*Group 2B - Possibly Carcinogenic to Humans*

*Not classifiable as a human carcinogen*

*NTP (National Toxicology Program)*

*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*

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

*X - Present*

**Reproductive toxicity** No information available.  
**STOT - single exposure** Target Organs. Respiratory system. Eyes. Skin. Central nervous system.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Avoid repeated exposure. May cause adverse liver effects.  
**Target Organ Effects** Central nervous system, Eyes, heart, kidney, liver, Respiratory system, Skin.  
**Aspiration hazard** No information available.

#### Numerical measures of toxicity - Product Information

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

**ATEmix (oral)** 4,810.00 mg/kg

**ATEmix (dermal)** 2,926.00 mg/kg

**ATEmix (inhalation-dust/mist)** 78.00 mg/l

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxic to aquatic life with long lasting effects

65.92912 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

#### Persistence and degradability

No information available.

#### Bioaccumulation

Chemical Name	Partition coefficient
Trichloroethylene 79-01-6	2.29
Asphalt 8052-42-4	6

**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.

**US EPA Waste Number** U228

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Trichloroethylene 79-01-6	Category I - Volatiles	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Trichloroethylene 79-01-6	Toxic

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID no** UN1710  
**Proper shipping name** Trichloroethylene mixture  
**Hazard Class** 6.1  
**Packing Group** III  
**Special Provisions** IB3, N36, T4, TP1  
**Description** UN1710, Trichloroethylene mixture, 6.1, III  
**Emergency Response Guide Number** 160

**TDG**

**UN/ID no** UN1710  
**Proper shipping name** Trichloroethylene mixture  
**Hazard Class** 6.1  
**Packing Group** III  
**Description** UN1710, Trichloroethylene mixture, 6.1, III

**IATA**

<b>UN/ID no</b>	UN1710
<b>Proper shipping name</b>	Trichloroethylene mixture
<b>Hazard Class</b>	6.1
<b>Packing Group</b>	III
<b>ERG Code</b>	6A
<b>Description</b>	UN1710, Trichloroethylene mixture, 6.1, III

**IMDG**

<b>UN/ID no</b>	UN1710
<b>Proper shipping name</b>	Trichloroethylene mixture
<b>Hazard Class</b>	6.1
<b>Packing Group</b>	III
<b>EmS-No</b>	F-A, S-A
<b>Description</b>	UN1710, Trichloroethylene mixture, 6.1, III

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Trichloroethylene - 79-01-6	0.1

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trichloroethylene 79-01-6	100 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive



Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Trichloroethylene 79-01-6	100 lb 1 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Trichloroethylene - 79-01-6	Carcinogen Developmental Male Reproductive

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trichloroethylene 79-01-6	X	X	X
Asphalt 8052-42-4	X	X	X
Sulfur 7704-34-9	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**

**NFPA**                      Health hazards 2              Flammability 0              Instability 0              Physical and Chemical Properties -

**HMIS**                      Health hazards 2\*              Flammability 0              Physical hazards 0              Personal protection X

*Chronic Hazard Star Legend                      \* = Chronic Health Hazard*

**Issue Date**                      19-Dec-2015  
**Revision Date**                      20-Dec-2015

**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**