



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

SAFETY DATA SHEET

# Bar's Leaks Head Seal Blown Head Gasket Repair

## SECTION 1: IDENTIFICATION

**1.1. Product identifier**

*Trade name:* Bar's Leaks Head Seal Blown Head Gasket Repair  
HG-1

*Product no.:*

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

*Relevant identified uses of the substance or mixture:* Sealer

*Uses advised against :* None known.

**1.3. Details of the supplier of the safety data sheet**

*Company and address:* **Bar's Products**  
P.O. Box 187  
Holly, MI 48442  
USA  
(810) 603-1321  
www.barsleaks.com

*E-mail:* support@barsleaks.com

*SDS date:* 26 January 2024

*SDS Version:* 1.0

**1.4. Emergency telephone number**

ChemTel Inc.  
(800) 255-3924 (North America)  
+1 (813) 248-0585 (International)

## SECTION 2: HAZARD(S) IDENTIFICATION

**2.1. Classification of the substance or mixture**

Not classified according to HCS (29 CFR 1910.1200)

**2.2. Label elements**

*Hazard pictogram(s):* Not applicable.

*Signal word:* Not applicable.

*Hazard statement(s):*

*Precautionary statement(s):*

*General:* -

*Prevention:* -

*Response:* -



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Storage: -
Disposal: -
Additional labelling: Not applicable.

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Table with 5 columns: Product/substance, Identifiers, % w/w, Classification, Note. Rows include Silicic acid, sodium salt and Mica.

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information: If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: In case of discomfort: bring the person into fresh air.

Skin contact: Upon irritation: rinse with water. In the event of continued irritation, seek medical



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<i>Eye contact:</i>	assistance. If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops. Remove contact lenses.
<i>Ingestion:</i>	Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.
<i>Burns:</i>	Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

None known.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Information to medics**

Bring this safety data sheet or the label from this product.

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**5.1. Extinguishing media**

Not applicable.

**5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Some metal oxides

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

Fire fighters should wear appropriate personal protective equipment.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.



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Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

*Recommended storage material:*

Always store in containers of the same material as the original container.

*Storage temperature:*

Avoid storage near extreme heat, ignition sources or open flame

*Incompatible materials:*

Foodstuffs

Do not store together with acids

Oxidizers

#### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Cellulose

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 15 (total dust) / 5 (Respirable fraction)

Long term exposure limit (ACGIH TLV) (mg/m<sup>3</sup>): 10 (Total dust)

Long term exposure limit (NIOSH REL) (mg/m<sup>3</sup>): 10 (Total dust), 5 (Respirable fraction)

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

#### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

*Appropriate technical measures:*

The formation of vapours must be kept at a



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minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:*

Wash hands after use.

*Measures to avoid environmental exposure:*

No specific requirements.

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

*Generally:*

Use only protective equipment with a recognized certification mark, e.g. the UL mark.


*Respiratory Equipment:*

No specific requirements


*Skin protection:*

Recommended	Type/Category	Standards	
Protective work clothing	Protective work clothing		

*Hand protection:*

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

*Eye protection:*

Type	Standards	
Safety glasses	EN166	

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

*Physical state:*

Liquid

*Colour:*

Dark gray

*Odour:*

Mild

*Odour threshold (ppm):*

Testing not relevant or not possible due to the nature of the product.

*pH:*

<12

*Density (g/cm<sup>3</sup>):*

1.03

*Kinematic viscosity:*

Not determined



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## Phase changes

<i>Melting point (°F):</i>	Not determined
<i>Softening point/range (waxes and pastes) (°F):</i>	Does not apply to liquids.
<i>Boiling point (°F):</i>	219.2
<i>Boiling point (°C):</i>	104
<i>Vapour pressure:</i>	23 hPa
<i>Relative vapour density:</i>	Testing not relevant or not possible due to the nature of the product.
<i>Decomposition temperature (°F):</i>	Not determined

## Data on fire and explosion hazards

<i>Flash point (°F):</i>	Not applicable
<i>Flammability (°F):</i>	The product is not flammable
<i>Auto-ignition temperature (°F):</i>	Not determined
<i>Explosion limits (% v/v):</i>	Testing not relevant or not possible due to the nature of the product.

## Solubility

<i>Solubility in water:</i>	Fully miscible.
<i>n-octanol/water coefficient (LogKow):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Solubility in fat (g/L):</i>	Testing not relevant or not possible due to the nature of the product.

## 9.2. Other information

<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	Non-oxidizing

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Contact with oxidizers.

### 10.5. Incompatible materials

Foodstuffs  
Do not store together with acids  
Oxidizers

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.



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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Long term effects

None known.

#### Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

### 12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment



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This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to DOT, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. U.S. Federal regulations**

*TSCA (the non-confidential portion):*

Silicic acid, sodium salt is listed  
Cellulose is listed

*Clean Air Act:*

None of the components are listed

*EPCRA Section 302:*

None of the components are listed

*EPCRA Section 304:*

None of the components are listed

*EPCRA section 313:*

None of the components are listed

*CERCLA:*

None of the components are listed





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**State regulations**

<i>California / Prop. 65:</i>	Cellulose is known to cause: Carcinogen —
<i>Massachusetts / Right To Know Act:</i>	Cellulose is listed Mica is listed
<i>New Jersey / Right To Know Act:</i>	Cellulose / Substance number: 3227 — Mica / Substance number: 1659 —
<i>New York / Right To Know Act:</i>	None of the components are listed
<i>Pennsylvania / Right To Know Act:</i>	Cellulose is listed — Mica is listed —

**15.4. Restrictions for application**

No special.

**15.5. Demands for specific education**

No specific requirements.

**15.6. Additional information**

Not applicable.

**15.7. Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16: OTHER INFORMATION**

**Full text of H-phrases as mentioned in section 3**

- H315, Causes skin irritation.
- H319, Causes serious eye irritation.
- H335, May cause respiratory irritation.
- H350, May cause cancer.

**The full text of identified uses as mentioned in section 1**

None known.

**Abbreviations and acronyms**

- ACGIH = American Conference of Governmental Industrial Hygienists
- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS = Chemical Abstracts Service
- CERCLA = Comprehensive Environmental Response Compensation and Liability Act
- DOT = Department of Transportation
- EINECS = European Inventory of Existing Commercial chemical Substances



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EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

Not applicable.

**The safety data sheet is validated by**

NL

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en