

# SAFETY DATA SHEET



## SECTION 1: IDENTIFICATION

**COMPANY NAME:** AMERICAN INDUSTRIES, INC.  
**ADDRESS LINE 1:** 4300 Kahn Drive, Box 1405  
**ADDRESS LINE 2:** Lumberton, NC 28359-1405 USA  
**TELEPHONE NUMBERS:** 800-753-5153 (or) 910-738-7224  
**EMERGENCY PHONE:** CHEMTREC 1-800-424-9300

**PRODUCT NAME:** BAR-O-RING  
**PRODUCT CODE:** 1668  
**PRODUCT USE:** O-Ring Lubricant  
**SDS FILE ID:** 1668.02  
**SDS DATE:** 2015-06-01

REPLACES VERSION DATED: 2011-01-01 and all prior versions

## SECTION 2: HAZARDS IDENTIFICATION

**Classification** Acute Toxicity Category 5-No symbol  
**Labeling** None  
**Signal word** Warning  
**Hazard statement:** May be harmful if swallowed.  
May cause eye irritation.  
May cause skin irritation.  
Non flammable or combustible, but may burn if involved in a fire.  
**Precautionary statement** Use personal protective equipment as required. Wear safety glasses and gloves.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>	<u>Impurities</u>
Barium fatty acid complex	68201-19-4	13-17	No information provided by manufacturer
Mineral oil	64742-52-5	83-87	No information provided by manufacturer

## SECTION 4: FIRST AID MEASURES

**Inhalation** If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.  
**Skin contact** Wash affected area with soap and water. If signs/symptoms persist, get medical attention. No need for first aid is anticipated.  
**Eye contact** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. Obtain medical attention.  
**Ingestion** If swallowed, do not induce vomiting. If irritation or discomfort occurs, obtain medical assistance.

## SECTION 5: FIRE-FIGHTING MEASURES

**Autoignition temperature** >200°C (392°F)  
**Flashpoint** 176°C (349°F) COC (Mineral oil)  
**Flammable Limits (LEL)** Not determined.  
**Flammable Limits (UEL)** Not determined.  
**Suitable extinguishing media** On large fires used dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical, or water spray. Water can be used to cool fire exposed containers.  
**Unsuitable extinguishing media** None.  
**Specific hazards in case of fire** Decomposes on heating and produces incompletely burned carbon compounds. Avoid reaction with oxidizers.  
**Special firefighting protective equipment and precautions** No acute hazard. Move container from fire area, if possible. Avoid breathing vapors or dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self contained breathing apparatus with a full face piece.  
Alert fire brigade and indicate hazard location. Wear breathing apparatus plus protective clothing.

Cool fire exposed containers with water spray from a protected location. Do not approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use appropriate personal protection. (See section 8.)
Environmental precautions	For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.
Methods for material containment and cleaning up	Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.

#### SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, inhalation of mist, or ingestion. See section 8 for personal protection equipment. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing materials. Store product in a closed container located in a dry area. Do not store in open, inadequate, or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic, or lined fiber containers. Keep away from heat and flame.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	Under most handling conditions, this product will not generate mist or dust.
Engineering controls	In most conditions, no special local ventilation is needed. General ventilation recommended. If the product is atomized ventilation should be used.
Eyes	Safety glasses recommended.
Skin	Impermeable gloves should be worn. Petroleum resistant elastomers are recommended.
Inhalation	No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical	Solid. Liquid may separate from product.
Color	Amber
Odor	Mild
Odor threshold	Not available
pH	Not applicable
Melting point	204°C (399°F)
Freezing Point	Becomes very stiff with decreasing temperature around -20°C (-4°F)
Initial Boiling point	>200°C (392°C)
Flash point	>176°C (349°F) COC (Base oil)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosion limits	Not available
Vapor Pressure	Negligible at 20°C (68°F)
Vapor density	Not available
Solubility	Insoluble in water at 20°C (68°F)
Partition Coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Begins to oxidize at a slow rate at 125°C (257°F)

#### SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under ambient temperatures and pressures.
Possible hazardous reactions	Can react with strong oxidizers. Other hazardous reactions have not been identified. Otherwise will not react or polymerize.

Conditions to avoid	No specific conditions to avoid have been identified.
Materials to avoid	Oxidizes
Hazardous decomposition products	Decomposes on heating and produces incompletely burned carbon compounds.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Barium acetate</b> (similar material to barium fatty acid complex)	Ingestion LD50 (rat) 921 mg/kg	Causes damage to lungs, nervous system, and mucous membranes. Very hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant). Excreted in maternal milk in animal. Passes through placental barrier in human
<b>Mineral oil</b>	Ingestion LD50 (rat) >5,000 mg/kg, Dermal LD50 (rabbit) >5,000 mg/kg, Inhalation LC50 (rat) >5 mg/L 4h	Expected to be slightly irritating to skin and eyes. Inhalation of vapors can cause irritation to the respiratory system. Not expected to be a skin sensitizer or aspiration hazard. Not considered to be a mutagenic hazard. Not classified as carcinogenic by the IARC.

#### SECTION 12: ECOLOGICAL INFORMATION

<b>Barium fatty acid complex</b>	Water soluble barium compounds formed after chemical break down are significantly more hazardous than the material as supplied
<b>Mineral oil</b>	Practically non toxic to fish, aquatic invertebrates, algae, and microorganisms LL/EL/IL50 >100 mg/L Chronic toxicity for fish NOEC/NOEL >100 mg/L, aquatic invertebrates NOEC/NOEL >1.0 - <=10 mg/l

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Waste (substance and container material) shall be recycled/recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle wherever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible, or dispose of in an authorized landfill.
According to the European waste catalogue	Waste Codes are not product specific but application specific. Waste Codes should be assigned by the user based on the application in which the product is used.
For USA disposal	Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

Class or type	US, IMO, ADR, RID, ADN, IMDG, IATA	Non-hazardous
---------------	------------------------------------	---------------

#### SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status:	Y.
TSCA 12 (b) Export Notification:	Not listed.
CERCLA Section 103 (40 CFR 302.4):	N
SARA Section 302 (40 CFR 355.30):	N
SARA Section 304 (40 CFR 355.40):	N
SARA Section 313 (40 CFR 372.65):	Barium compounds 68201-19-4
OSHA Process Safety (29 CFR 1910.119):	N
SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21)	
Acute Hazard:	N
Chronic Hazard:	N
Fire Hazard:	N
Reactivity Hazard:	N
Sudden Release Hazard:	N

**State Regulations:** Not on California Proposition 65 list. Does not contain any components known to the State of California to cause cancer or reproductive toxicity.

## SECTION 16: OTHER INFORMATION

### Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

**Important Note:** *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

\*\*\*End of SDS\*\*\*