

PRODUCT NAME: Ceramic Extreme Brake Parts Lubricant
PRODUCT NUMBER/SIZE: BL-004-R / 4 grams

Rev Date: 02/12/2015

SECTION 1

Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA

PRODUCT DESCRIPTION: Brake Lubricant

COMPANY PHONE: 574-232-8289

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2

Hazards Identification

Classification:

Not Classified

Label Pictogram(s):

Signal Word: No Signal Word

Hazard Phrases: No known significant effects or critical hazards.

Precautionary Phrases: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Response: Not applicable

Storage / Disposal: Not applicable

Other:

SECTION 3

Composition/Information on Ingredients

SUBSTANCE/MIXTURE: Mixture

OTHER MEANS OF IDENTIFICATION: Not available.

CAS NUMBER/OTHER IDENTIFIERS

CAS NUMBER: Not applicable.

PRODUCT CODE: 10599

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4

First Aid Measures

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SKIN CONTACT:	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
INGESTION:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS (ACUTE AND DELAYED)

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	No known significant effects or critical hazards.

OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SPECIFIC TREATMENTS:	No specific treatment.
PROTECTION OF FIRST-AIDERS:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

SECTION 5 Fire Fighting Measures

EXTINGUISHING MEDIA

SUITABLE Use dry chemical, CO₂, water spray (fog) or foam.

EXTINGUISHING MEDIA:

UNSUITABLE None known.

EXTINGUISHING MEDIA:

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Decomposition products may include the following materials:
Carbon dioxide
Carbon monoxide
Halogenated compounds
Metal oxide/oxides

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: No special measures are required.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

SMALL SPILL: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7 Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:	Put on appropriate personal protective equipment (see Section 8).
ADVICE ON GENERAL OCCUPATIONAL HYGIENE:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 Exposure Controls/Personal Protection

CONTROL PARAMETERS

<u>OCCUPATIONAL EXPOSURE LIMITS</u>	None
--	------

APPROPRIATE ENGINEERING CONTROLS:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
--	--

ENVIRONMENTAL EXPOSURE CONTROLS:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
---	---

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety showers are close to the workstation location.
EYE/FACE PROTECTION:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side- shields.
<u>SKIN PROTECTION</u> HAND PROTECTION:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
BODY PROTECTION:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

OTHER SKIN PROTECTION:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
RESPIRATORY PROTECTION:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9

Physical and Chemical Properties

APPEARANCE

PHYSICAL STATE:	Semi-solid.
COLOR:	Purple.
ODOR:	Mild.
ODOR THRESHOLD:	Not available.
pH:	Not available.
MELTING POINT:	Not available.
BOILING POINT:	Not available.
FLASH POINT:	Open Cup: > 260°C (> 500°F) [Cleveland.]
BURNING TIME:	Not available.
BURNING RATE:	Not available.
EVAPORATION RATE:	Not available.
FLAMMABILITY (SOLID, GAS):	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
LOWER AND UPPER EXPLOSIVE (FLAMMABLE) LIMITS:	Not available.
VAPOR PRESSURE:	Not available.
VAPOR DENSITY:	Not available.
RELATIVE DENSITY:	0.94 g/ml
SOLUBILITY:	Insoluble in the following materials: cold water hot water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not available.
AUTO-IGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
SADT:	Not available.
VISCOSITY:	Not available.

SECTION 10

Stability and Reactivity

REACTIVITY:	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY:	The product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID:	Do not heat above flash point.
INCOMPATIBLE MATERIALS:	Reactive or incompatible with the following materials: oxidizing materials and acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11

Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	There is no data available.
IRRITATION/CORROSION:	There is no data available.
SENSITIZATION:	There is no data available.
MUTAGENICITY:	There is no data available.
CARCINOGENICITY:	There is no data available.
REPRODUCTIVE TOXICITY:	There is no data available.
TERATOGENICITY:	There is no data available.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	There is no data available.
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	There is no data available.
ASPIRATION HAZARD:	There is no data available.
INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:	Ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	No known significant effects or critical hazards.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT:	No known significant effects or critical hazards.
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

SHORT-TERM EXPOSURE:

POTENTIAL IMMEDIATE EFFECTS:	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS:	No known significant effects or critical hazards.

LONG-TERM EXPOSURE:

POTENTIAL IMMEDIATE EFFECTS:	No known significant effects or critical hazards.
POTENTIAL DELAYED EFFECTS:	No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.

DEVELOPMENTAL EFFECTS:

No known significant effects or critical hazards.

FERTILITY EFFECTS:

No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY
ACUTE TOXICITY ESTIMATES

ROUTE:	ATE VALUE
Oral	98750 mg/kg

SECTION 12

Ecological Information

TOXICITY

There is no data available.

PERSISTENCE AND DEGRADABILITY:

There is no data available.

BIOACCUMULATIVE POTENTIAL:

There is no data available.

MOBILITY IN SOIL:
SOIL/WATER PARTITION

Not available.

COEFFICIENT (K_{oc}):
OTHER ADVERSE EFFECTS:

No known significant effects or critical hazards.

SECTION 13

Disposal Considerations

DISPOSAL METHODS: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

SECTION 14

Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT UN/ID Number: Not Regulated
 Proper shipping name:
 Hazard class:
 Packing Group:
 Exceptions:
 Environmental Hazards:

Transport in Bulk:
Special Precautions:

IMO/IMDG UN/ID Number:
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

ICAO/IATA UN/ID Number: Not Regulated
Proper shipping name:
Hazard Class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

Canada (TDG) UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

AERG: Not applicable.

SPECIAL PRECAUTIONS FOR USER: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: Not available.

SECTION 15 Regulatory Information

U.S. FEDERAL REGULATIONS:

TSCA 8(a) CDR EXEMPT/PARTIAL EXEMPTION: Not determined.

UNITED STATES INVENTORY (TSCA 8b): All components are listed or exempted.

CLEAN WATER ACT (CWA) 307: Toluene

CLEAN WATER ACT (CWA) 311: Toluene

CLEAN AIR ACT SECTION 112(b) Not listed.

HAZARDOUS AIR POLLUTANTS (HAPs):
CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES: Not listed.

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES: Not listed.

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS): Not listed.

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS): Not listed.

SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS: No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

CLASSIFICATION: Not applicable.

COMPOSITION/INFORMATION ON INGREDIENTS: No products were found.

STATE REGULATIONS

MASSACHUSETTS: The following components are listed:
Talc

NEW YORK: None of the components are listed.

NEW JERSEY: The following components are listed:
Distillates (petroleum)
Hydrotreated heavy paraffinic
Talc
Distillates (petroleum)
Hydrotreated heavy naphthenic

PENNSYLVANIA: The following components are listed:
Talc

CALIFORNIA PROP. 65 **WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

INGREDIENT NAME	CANCER	REPRODUCTIVE	NO SIGNIFICANT RISK LEVEL	MAXIMUM ACCEPTABLE DOSAGE LEVEL
Toluene	No.	Yes.	No.	7000 µg/day (ingestion) 13000 µg/day (inhalation)

INTERNATIONAL REGULATIONS

INTERNATIONAL LISTS:

- Australia inventory (AICS):** All components listed or exempted.
- China inventory (IECSC):** All components are listed or exempted.
- Korea inventory:** All components are listed or exempted.
- New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
- Philippines inventory (PICCS):** All components are listed or exempted.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE I CHEMICALS: Not listed.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE II CHEMICALS: Not listed.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE III CHEMICALS: Not listed.

Petroleum components contained in this product meet the IP 346 criteria of less than 3 percent DMSO - extractable components

SECTION 16 Other Information

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

Health: 1

Flammability: 1

Physical Hazards: 1

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)

Health: 1

Flammability: 1

Instability: 1

Caution: HMIS® and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

The customer is responsible for determining the PPE code for this material

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable