

PRODUCT NAME: Lithium Grease #3 BLUE Synthetic 12/1 LB. ABRO
PRODUCT NUMBER/SIZE: LG-990 **Revision Date:** 09/01/2021

SECTION 1
Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628 USA
PRODUCT DESCRIPTION: Grease
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 (GHS-US):
Not Classified

Label Pictogram(s): Not Classified

Signal Word: None required.

Hazard Phrases: None required.

Precautionary Phrases:
Avoid release to the environment. Dispose of contents/container in accordance with local, regional, national, and international regulations.

Response: None required.

Storage / Disposal: None required.

Other Hazards: None noted.

Unknown Acute Toxicity (GHS-US): None of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3
Composition/Information on Ingredients

Substances:
Not applicable

Mixture:

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Petroleum distillates, solvent dewaxed	(CAS No) 64742-65-0	60-75 70-85	Not Classified

Lithium Hydroxide, Monohydrate	(CAS No) 310-66-3	<2	H314: Skin Corr, 1B H302: Acute Toxicity, 4
Sebacic Acid	(CAS No) 111-20-6	<3	Not Classified
12-Hydroxystearic Acid	(CAS No) 106-14-9	5-15	Not Classified

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

*More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

SECTION 4 First Aid Measures

GENERAL INFORMATION: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

EYE CONTACT: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

INHALATION: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

INGESTION: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician

SYMPTOMS OR EFFECTS:

General: No known significant effects or critical hazards.

Inhalation: Overexposure may be irritating to the respiratory system.

Skin Contact: Repeated or prolonged skin contact may cause irritation.

Eye Contact: Direct contact with the eyes is likely irritating.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: No known significant effects or critical hazards.

RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE OR SPECIAL TREATMENT:

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5 Fire Fighting Measures

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

UNUSUAL OR SPECIFIC FIRE AND EXPLOSION HAZARDS:

Fire Hazard: Not flammable but will support combustion

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

FIREFIGHTING INSTRUCTIONS AND PROTECTIVE EQUIPMENT:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

OTHER INFORMATION: Refer to Section 9 for flammability properties.

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7 Handling and Storage

HANDLING FOR PRECAUTIONS

Additional Hazards When Processed: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

SPECIFIC END USE(S): Grease

SECTION 8
Exposure Controls/Personal Protection

CONTROL PARAMETERS:

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

EXPOSURE LIMITS :

Mineral Oils		
USA ACGIH	ACGIH TWA (mg/m3)	5 mg/m3 (excluding metal working fluids, highly & severely refined-inhalable fraction)
USA ACGIH	ACGIH STEL	10 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
USA OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m3
Canada	OEL STEL (mg/m3)	10 mg/m3
Canada	OEL TWA (mg/m3)	5 mg/m3

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

PERSONAL PROTECTIVE EQUIPMENT: Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties: See Product Data Sheet for Grade Specifics

Physical State:	: Semi-Solid at Room Temperature
Appearance:	: Varies by Grade
Odor:	: Slight Hydrocarbon
Odor Threshold:	: Not available
pH:	: Not available
Evaporation Rate:	: Not available
Melting Point:	: Not available
Boiling Point:	: Not Available
Flash Point:	: Typical 150 °C (COC) (350°C/662°F)
Auto-ignition Temperature:	: Not available
Decomposition Temperature:	: Not available
Flammability (solid, gas):	: Not available
Lower Flammable Limit:	: Not available
Upper Flammable Limit:	: Not available
Vapor Pressure:	: Not available
Relative Vapor Density at 20 °C:	: Not available
Relative Density:	: Not available
Specific Gravity:	: Not available
Solubility:	: Negligible
Partition Coefficient N-Octanol/Water:	: Not available
Viscosity Index:	: Not available
Viscosity, Kinematic:	: Not available
Explosive Properties:	: Product is not explosive
Explosion Data – Sensitivity to Mechanical Impact:	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge:	: Not expected to present an explosion hazard due to static discharge

SECTION 10 Stability and Reactivity

REACTIVITY: Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY: Stable under recommended handling and storage conditions (see section 7).

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CHEMICAL INCOMPATIBILITIES: Strong oxidizing agents

CONDITION TO AVOID: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: No expected to form during normal stage

SECTION 11 Toxicological Information

Information on Toxicological Effects - Product

Acute Toxicity:	: Not classified
LD50 and LC50 Data:	: Not available
Skin Corrosion/Irritation:	: Not classified
Eye Damage/Irritation:	: Not classified
Respiratory or Skin Sensitization:	: Not classified
Germ Cell Mutagenicity:	: Not classified
Teratogenicity:	: Not classified
Carcinogenicity:	: Not classified
Specific Target Organ Toxicity (Repeated Exposure):	: Not classified
Reproductive Toxicity:	: Not classified
Specific Target Organ Toxicity (Single Exposure):	: Not classified
Aspiration Hazard:	: Not classified
Symptoms/Injuries After Inhalation:	Overexposure may be irritating to the respiratory system.
Symptoms/Injuries After Skin Contact:	Repeated or prolonged skin contact may cause irritation.
Symptoms/Injuries After Eye Contact:	Direct contact with the eyes is likely irritating.
Symptoms/Injuries After Ingestion:	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms:	: Not Classified
Information on Toxicological Effects - Ingredient(s) LD50 and LC50 Data: Not classified	

SECTION 12 Ecological Information

Toxicity	
Ecology - General	: Not available
Persistence and Degradability	: Not available
Bioaccumulative Potential	: Not available
Mobility in Soil	: Not available
Other Adverse Effects Other Information:	: Avoid release to the environment.

SECTION 13 Disposal Considerations

WASTE TREATMENT METHODS

SEWAGE DISPOSAL RECOMMENDATIONS: Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

WASTE DISPOSAL RECOMMENDATIONS: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14 Transport Information

In Accordance with DOT:	Not regulated for transport
In Accordance with IMDG:	Not regulated for transport
In Accordance with IATA:	Not regulated for transport
In Accordance with TDG:	Not regulated for transport

SECTION 15 Regulatory Information

US Federal Regulations

SARA Section 311/312 Hazard Classes	Not classified
--	----------------

US State Regulations: Not Regulated
Canadian Regulations: Not Regulated

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16 Other Information

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