

PRODUCT NAME: ABRO Lube with PTFE Formula
PRODUCT NUMBER/SIZE: AL-629

Rev Date: 12/23/2014

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: Engine Treatment
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:

Carcinogenicity, Category 1B H350
Skin corrosion/irritation (Category 3) H316
Serious eye damage/irritation (Category 2B) H320

Label Pictogram(s):



Signal Word: Danger

Hazard Phrases: Causes mild skin irritation. Causes eye irritation. May cause cancer.

Precautionary Phrases: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash skin thoroughly after handling.

Response: IF SKIN irritation occurs: 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 exposed or concerned: Get medical attention/advice.

Storage / Disposal: Store locked up. Dispose of contents/container to approved locations in compliance with all applicable regulations.

Other: Keep out of reach of children.

SECTION 3
Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	68.6 -88.3 %
Non-Hazardous Additives	NA	4.9 -14.7 %
Zinc alkyldithiophosphate	NA	< 4.9 %
Distillates (petroleum), Solvent-refined heavy paraffinic	64741-88-4	0.6 -1.2 %
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	0.02 -0.1 %
Distillates (petroleum), Hydrotreated light paraffinic	64742-55-8	0.02 -0.1 %

SECTION 4
First Aid Measures**In Case of Inhalation**

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. If not breathing, give artificial respiration and contact a physician immediately.

In Case of Skin Contact

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

In Case of Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

In Case of Ingestion

Do NOT induce vomiting, but give one or two glasses of water to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

Note to Physician

Treat symptomatically.

Signs and Symptoms of Exposure

No data available.

SECTION 5
Fire Fighting Measures

Flash Pt: > 176.70 C (350.1 F) Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

Flammable Properties and Hazards

Can burn in fire, releasing toxic vapors, fumes, and smoke.

Hazardous Combustion Products

In the case of a fire, oxides of carbon and zinc, hydrocarbons, fumes, and smoke may be produced. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

Suitable Extinguishing Media

Carbon dioxide, foam, or dry powder.

Unsuitable Extinguishing Media

Do not use water, because this product is oil based. Water may cause frothing.

SECTION 6

Accidental Release Measures

Steps To Be Taken In Case Material Is Released or Spilled

Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

Protective Precautions, Protective Equipment and Emergency Procedures

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

Environmental Precautions

Do not allow material to enter soil or surface water. Treat or dispose of in accordance with all federal, state, and local requirements.

SECTION 7

Handling and Storage

Precautions to Be Taken in Handling

DO NOT PRESSURIZE OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty containers should be completely drained, properly closed, and promptly disposed of. Wash hands thoroughly after handling.

Precautions to Be Taken in Storing

Secure container after each use. Store in a cool dry place, in a tightly

SECTION 8

Exposure Controls/Personal Protection

Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	No data.	No data.	No data.
Non-Hazardous Additives	NA	No data.	No data.	No data.
Zinc alkyldithiophosphate	NA	No data.	No data.	No data.
Distillates (petroleum), Solvent-refined heavy paraffinic	64741-88-4	No data.	No data.	No data.
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No data.	No data.	No data.
Distillates (petroleum), Hydrotreated light paraffinic	64742-55-8	No data.	No data.	No data.

Respiratory Equipment (Specify Type)

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

Eye Protection

When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

Protective Gloves

Where contact is likely, wear chemical resistant gloves.

Other Protective Clothing

No data available.

Engineering Controls (Ventilation etc.)

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

Work/Hygienic/Maintenance Practices

Wash hands thoroughly after handling.

SECTION 9 Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	> 176.70 C (350.1 F) Method Used: Pensky-Marten Closed Cup
Specific Gravity (Water = 1):	0.851 - 0.873 at 60.0 F (15.6 C)
Density:	7.10 - 7.28 LBS/GAL at 60.0 F (15.6 C)
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate:	No data.
Solubility in Water:	Insoluble
Percent Volatile:	No data.
Appearance and Odor:	Viscous amber liquid with petroleum odor.

SECTION 10 Stability and Reactivity

Stability: Unstable ☐ Stable ☒

Conditions to Avoid - Instability

Keep away from heat, ignition sources and incompatible materials.

Incompatibility - Materials to Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition or Byproducts

In the case of a fire, oxides of carbon and zinc, hydrocarbons, fumes, and smoke may be produced. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒

Conditions to Avoid - Hazardous Reactions

None under normal processing.

SECTION 11 Toxicological Information

Toxicological Information

No data available.

CAS# 64742-65-0:

Acute toxicity, LD (Lethal dose), Oral, Rat, 5.000 GM/KG.

Results:

Behavioral: Alteration of classical conditioning.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,141, 1990

Tumorigenic Effects: TDLo, Skin, Mouse, 386.0 GM/KG, 22 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic: Tumors at site of application.

- British Journal of Cancer. Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 2XS UK, Vol/p/yr: 48,429, 1983

CAS# 64741-89-5:

Acute toxicity, LD50, Oral, Rat, 15.00 GM/KG.

Results:

Effects on Newborn: Live birth index (# fetuses per litter; measured after birth).

Effects on Newborn: Viability index (e.g., # alive at day {4} per # born alive).

Effects on Newborn: Growth statistics (e.g., reduced weight gain).

- Farm Chemicals Handbook. Meister Pub., 37841 Euclid Ave., Willoughby, OH 44094, Vol/p/yr: -, C262, 1991

Chronic Toxicological Effects

No data available.

Irritation or Corrosion

No data available.

Symptoms related to Toxicological Characteristics

No data available.

Carcinogenicity/Other Information

Solvent-refined light paraffinic and hydrotreated light paraffinic petroleum distillates display some evidence of carcinogenicity. These components are present in this product in concentrations less than 0.1%.

Components	CAS #	NTP	IARC	ACGIH	OSHA
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	NA	NA	NA	NA
Non-Hazardous Additives	NA	NA	NA	NA	NA
Zinc alkyldithiophosphate	NA	NA	NA	NA	NA
Distillates (petroleum), Solvent-refined heavy paraffinic	64741-88-4	NA	NA	NA	NA

Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	NA	NA	NA	NA
Distillates (petroleum), Hydrotreated light paraffinic	64742-55-8	NA	NA	NA	NA

Carcinogenicity: NTP? Yes IARC Monographs? Yes OSHA Regulated? Yes

SECTION 12 Ecological Information

General Ecological Information

This material should be protected from any release to the environment to prevent the fouling of soils and aquatic environments.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

SECTION 13 Disposal Considerations

Waste Disposal Method

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

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: Not Regulated
 Proper shipping name:
 Hazard class:
 Packing Group:
 Exceptions:
 Environmental Hazards:
 Transport in Bulk:
 Special Precautions: Contains chemicals that may cause harm to aquatic organisms.
 Marine Pollutant

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:

Europe (ADR) UN/ID Number: Not Regulated
 Proper Shipping Name:
 Tunnel Restriction Code:

SECTION 15 Regulatory Information

US EPA SARA Title III

Components	CAS #	Sec. 302 (EHS)	Sec. 304 RQ	Sec. 313 (TRI)	Sec. 110
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	No	No	No	No
Non-Hazardous Additives	NA	No	No	No	No
Zinc alkyldithiophosphate	NA	No	No	No	No
Distillates (petroleum), Solvent-refined heavy paraffinic	64741-88-4	No	No	No	No
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No	No	No	No
Distillates (petroleum), Hydrotreated light paraffinic	64742-55-8	No	No	No	No

US EPA CAA, CWA, TSCA

Components	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	No	No	Inventory	No
Non-Hazardous Additives	NA	No	No	No	No
Zinc alkyldithiophosphate	NA	No	No	No	No
Distillates (petroleum), Solvent-refined heavy paraffinic	64741-88-4	No	No	Inventory	No
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No	No	Inventory	No
Distillates (petroleum), Hydrotreated light paraffinic	64742-55-8	No	No	Inventory	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec. 302 EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.

Sec.304: EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.

Sec.313: EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

Sec.110: EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

Inventory: Chemical Listed in the TSCA Inventory.

5A (2): Chemical Subject to Significant New Rules (SNURS)

6A: Commercial Chemical Control Rules

8A: Toxic Substances Subject To Information Rules on Production

8A CAIR: Comprehensive Assessment Information Rules - (CAIR)

8A PAIR: Preliminary Assessment Information Rules - (PAIR)

8C: Records of Allegations of Significant Adverse Reactions

8D: Health and Safety Data Reporting Rules

8D TERM: Health and Safety Data Reporting Rule Terminations

12(b): Notice of Export

Other Important Lists:

CWA NPDES: EPA Clean Water Act NPDES Permit Chemical

CAA HAP: EPA Clean Air Act Hazardous Air Pollutant

CAA ODC: EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

CA PROP 65: California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

☐ Yes ☒ No Acute (immediate) Health Hazard

☒ Yes ☐ No Chronic (delayed) Health Hazard

☐ Yes ☒ No Fire Hazard

☐ Yes ☒ No Sudden Release of Pressure Hazard

☐ Yes ☒ No Reactive Hazard

HMIS

Health - 1

Flammability - 1

Physical - 0
PPE - B
NFPA
Health - 1
Flammability - 1
Instability - 0
Special Hazard - None

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