

PRODUCT NAME: ABRO Smooth 100 Premium Engine
Treatment
PRODUCT NUMBER/SIZE: SM-100 / 15 oz.

Rev Date: 05/01/2015

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: 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:

None

Label Pictogram(s):

None

Signal Word: **WARNING**

Hazard Phrases: May be harmful if swallowed and enters airways.

Precautionary Phrases: No data available.

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

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

Other: Not expected to be a health hazard when used under normal conditions.
Inhalation: High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Skin Contact: Prolonged or repeated contact may cause skin irritation, local redness and swelling. Eye Contact: Causes eye irritation. Ingestion: May be harmful if swallowed and enters airways. Medical Conditions Generally Aggravated By Exposure: None reported. OSHA Regulatory Status: This material is classified as not hazardous under OSHA regulations.

SECTION 3

Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	70.0-90.0 %
Zinc Alkyldithiophosphate	NA	< 5.0 %
Non-Hazardous Additives	NA	5.0-15.0 %

SECTION 4

First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

Remove to fresh air. 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

Flammability Classification: No Data.

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

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

Autoignition Pt: NP

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

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

SECTION 7

Handling and Storage

Precautions to Be Taken in Handling

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, 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 closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

Other Precautions

Avoid contact with strong oxidizing agents.

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.
Zinc Alkyldithiophosphate	NA	No data.	No data.	No data.
Non-Hazardous Additives	NA	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, safety glasses and/or a face shield are recommended.

Protective Gloves

Where hand contact with the product may occur the use of gloves made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves.

Other Protective Clothing

Under normal use conditions, no special protective clothing is required.

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.

Environmental Exposure Controls

Minimize release to the environment.

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:	NP
Flash Pt:	> 176.70 C (350.1 F) Method Used: Pensky-Marten Closed Cup
Specific Gravity (Water = 1):	0.880 at 60.0 F (15.6 C)
Density:	7.33 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.
VOC / Volume:	No data
Viscosity:	10.5 CST at 100.0 C (212.0 F)
pH:	No data
Appearance and Odor:	Viscous amber liquid with petroleum odor.

SECTION 10

Stability and Reactivity

Stability: Unstable ☐ Stable ☒

Reactivity

No data

Conditions to Avoid - Instability

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

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 [X]

Conditions to Avoid - Hazardous Reactions

Hazardous polymerization is not expected to occur.

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

Chronic Toxicological Effects

No Data Available.

Irritation or Corrosion

Skin Irritation: Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Eye Irritation: Expected to be slightly irritating.

Respiratory Irritation: Inhalation of vapors or mists may cause irritation.

Symptoms related to Toxicological Characteristics

No Data Available.

Sensitization

Not expected to be a skin sensitizer.

Carcinogenicity/Other Information

Not expected to be carcinogenic. Product contains mineral oils of types shown to be non-carcinogenic in animal skin application studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

Components	CAS #	NTP	IARC	ACGIH	OSHA
Distillates (petroleum), Solvent-dewaxed heavy paraffinic	64742-65-0	No	No	No	No

Zinc Alkyldithiophosphate	NA	NA	NA	NA	NA
Non-Hazardous Additives	NA	NA	NA	NA	NA

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 12 Ecological Information

General Ecological Information

May cause physical fouling of aquatic organisms. Expected to be practically nontoxic: LL/EL/IL50 >100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulative Potential

Contains components with the potential to bioaccumulate. Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

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. This product, if discarded, is not considered a hazardous waste.

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:
 Proper shipping name: Not Regulated
 Hazard class:
 Packing Group:
 Exceptions:
 Environmental Hazards:

Transport in Bulk:
Special Precautions:

IMO/IMDG UN/ID Number:
Proper shipping name: Not Regulated
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards: Marine Pollutant: Yes
Transport in Bulk:
Special Precautions:

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

Canada (TDG) UN/ID Number:
Proper shipping name: Not Regulated
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
Zinc Alkylidithiophosphate	NA	No	No	No	No
Non-Hazardous Additives	NA	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
Zinc Alkylidithiophosphate	NA	No	No	No	No
Non-Hazardous Additives	NA	No	No	No	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

No Data

NFPA

No Data

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