

PRODUCT NAME: ABRO Engine Oil Stop Leak
PRODUCT NUMBER/SIZE: EO-414-R

Rev Date: 2/13/2015

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: Engine Additive
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:

Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2A

Label Pictogram(s):



Signal Word: **Warning**

Hazard Phrases: Causes mild skin irritation. Causes serious eye irritation.

Precautionary Phrases: Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

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 in accordance with local, state, and federal regulations.

Other: Keep out of reach of children.

SECTION 3
Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	92.0 -94.0 %
Diisodecyl adipate	27178-16-1	6.0 -7.0 %
Solvent Red Dye	NA	0.003 -0.004 %

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, remove any contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

In Case of Ingestion

For larger amounts, do NOT induce vomiting, but give two large glasses of water to drink. Get medical attention if symptoms develop. 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: > 150.00 C (302.0 F) Method Used: Estimate

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

No data available.

Hazardous Combustion Products

Fumes, smoke and carbon monoxide.

Suitable Extinguishing Media

Carbon dioxide, foam, or dry powder. Water may be used to cool below flash point.

Unsuitable Extinguishing Media

No data available.

**SECTION 6
Accidental Release Measures**

Steps To Be Taken In Case Material Is Released or Spilled

INITIAL CONTAINMENT:

Wear appropriate personal protective equipment. Evacuate non-emergency personnel to a safe area. Eliminate all sources of ignition - heat, sparks, flame, electricity, and impact. Contain spilled material with dikes or absorbents. Do not allow material to enter soil, surface water or sewer system. If possible, try to contain floating material.

SPILL CONTAINMENT:

Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue 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

Wear appropriate personal protective equipment.

Environmental Precautions

If applicable, report spills to the proper environmental agencies as required by federal, state and local regulations.

**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.

NFPA Class IIIB storage. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

Precautions to Be Taken in Storing

Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Keep container closed when not in use. Keep out of reach of children.

Other Precautions

Wash hands thoroughly after handling.

**SECTION 8
Exposure Controls/Personal Protection**

COMPONENTS	CAS Number	OSHA PEL	ACGIH TWA	Other Limits
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No data	No data	No data
Diisodecyl adipate	27178-16-1	No data	No data	No data

Solvent Red Dye	NA	No data	10 mg/m3	No data
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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. When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

Eye Protection

Where contact with this material is likely, eye protection is recommended.

Protective Gloves

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Other Protective Clothing

No data available.

Engineering Controls (Ventilation etc.)

Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

Work/Hygienic/Maintenance Practices

No data available.

**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:	> 150.00 C (302.0 F) Method Used: Estimate
Specific Gravity (Water = 1):	0.846 - 0.864 at 70.0 F (21.1 C)
Density:	7.08 - 7.22 LBS/GAL at 70.0 F (21.1 C)
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	Insoluble
Percent Volatile:	No data.
Appearance and Odor:	Viscous clear red liquid with petroleum odor.

**SECTION 10
Stability and Reactivity**

Stability: Unstable Stable

Conditions to Avoid - Instability

Avoid sources of ignition.

Incompatibility - Materials to Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition or Byproducts

In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions to Avoid - Hazardous Reactions

No data available.

SECTION 11
Toxicological Information

EYE EFFECTS:

Minimal irritation on contact.

SKIN EFFECTS:

Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.

ACUTE ORAL EFFECTS:

Tests on similar materials indicate low order of acute oral toxicity.

INHALATION EFFECTS:

Low acute toxicity expected on inhalation.

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

CAS# 27178-16-1:

Acute toxicity, LD50, Oral, Rat, 20500. MG/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).

- International Polymer Science and Technology, Rapra Technology Ltd., Shawbury, Shrewsbury, Shropshire SY4 4NR United Kingdom, Vol/p/yr: 3, 93, 1976

Chronic Toxicological Effects

No data available.

Irritation or Corrosion

No data available.

Symptoms related to Toxicological Characteristics

No data available.

Sensitization

No data available.

Carcinogenicity/Other Information

Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling.

Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

COMPONENTS	CAS Number	NTP	IARC	ACGIH	OSHA
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	n.a.	n.a.	n.a.	n.a.
Diisodecyl adipate	27178-16-1	n.a.	n.a.	n.a.	n.a.
Solvent Red Dye	NA	No	No	No	No

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

SECTION 12 Ecological Information

General Ecological Information

Aquatic Release: Advise authorities if product has entered or may enter watercourses or sewer drains.

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

Do not dispose of into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if it becomes a waste, is not considered a hazardous waste according to RCRA criteria (40 CFR 261).

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/MDG UN/ID Number: Not Regulated
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:
UN/ID Number:

Europe (ADR/RID) Proper shipping name: Not Regulated
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

SECTION 15
Regulatory Information

US EPA SARA Title III

<u>COMPONENTS</u>	<u>CAS Number</u>	<u>Sec.302 (EHS)</u>	<u>Sec.304 RQ</u>	<u>Sec.313 (TRI)</u>	<u>Sec.110</u>
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No	No	No	No
Diisodecyl adipate	27178-16-1	No	No	No	No

Solvent Red Dye	NA	No	No	No	No
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US EPA CAA, CWA, TSCA

<u>COMPONENTS</u>	<u>CAS Number</u>	<u>EPA CAA</u>	<u>EPA CWA NPDES</u>	<u>EPA TSCA</u>	<u>CA PROP 65</u>
Distillates (petroleum), Solvent-refined light paraffinic	64741-89-5	No	No	Inventory	No
Diisodecyl adipate	27178-16-1	No	No	Inventory	No
Solvent Red Dye	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

HMS

Health – 1
Flammability – 1
Physical – 0
PPE – B

NFPA

Health – 1
Flammability – 1
Instability – 0
Special Hazard -

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"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable