

PRODUCT NAME: ABRO A.T.F. Dexron-III
PRODUCT NUMBER/SIZE: A.T.F. Dex-III-208L / 208L Drum

Revision Date: 7/20/2015

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: Mineral Fluid for Automatic Transmissions
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 as dangerous in the sense of Directive 1999/45/EC.

Label Pictogram(s):

None required.

Signal Word:

None required.

Hazard Phrases:

Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Precautionary Phrases:

Avoid release to the environment. Refer to special instructions/safety data sheet

Response:

None required.

Storage / Disposal:

Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Other:

Keep out of reach of children.

SECTION 3 Composition/Information on Ingredients

Description: Mixture of mineral base oils and special additives.

Hazardous ingredients in accordance with 67/548/EEK

Name	W (%)	CAS Nr.	EINEC Nr.	Classification
				67/548/EEK
Distillates (petroleum), hydrotreated heavy paraffinic	≥ 90	265-157-1	64742-54-7	R 52/53*

*DMSO-Extract <3 % (IP 346)

Other information

See § 16 for full text of all R- phrases.

SECTION 4 First Aid Measures

After ingestion:	If swallowed, get immediate medical attention. Do not induce vomiting.
After inhalation:	Move a person to fresh air if necessary
In case of skin contact:	Wash the skin with soap and water. Remove contaminated clothing as soon as possible. Seek medical advice if symptoms persist
In case of eye contact:	Flush immediately with water for at least 15 minutes. Get medical advice if discomfort continues. Continue to flush during transport to physician.
Symptoms/Injuries	Risk of thermal burns on contact with hot oil.
Symptoms/injuries after inhalation:	May cause irritation to the eyes, nose, throat, and skin. Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation. Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/injuries after skin contact	May cause moderate irritation. Risk of thermal burns on contact with molten product. Prolonged or repeated contacts with the skin may cause dermatitis. Skin rash/inflammation. Drying up of the skin.
Symptoms/injuries after eye contact :	May cause moderate irritation, including burning sensation, tearing, redness or swelling.
Symptoms/injuries after ingestion:	Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a laxative action.
First aid kits:	Clean, warm water, soap, drinking water.

SECTION 5 Fire Fighting Measures

Suitable extinguishing media:	Carbon dioxide (CO ₂), dry chemical powder, foam. Water fog. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion.
-------------------------------	---

Special hazards arising from the substance or mixture:

On combustion forms: Carbon dioxide. Carbon monoxide. Smokes. Hydrocarbons. Nitrogen oxides (NOx). Phosphorus oxides. Zinc oxide. Sulfur oxides. Material will burn but does not easily ignite. When heated above the flash point, releases vapor. Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Mist or spray may burn at temperature below flash point.

Advice for firefighter:

Wear proper protective equipment. Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Stop leak if safe to do so. Evacuate personnel to a safe area. Avoid any direct contact with the product. Avoid contact with skin, eye and clothing. Avoid breathing dust. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Spilled material may present a slipping hazard. Prevent entry to sewers and public waters. Wear suitable protective clothing and eye/face protection.

Environmental precaution:

Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material.

Methods and material for containment and cleaning up:

Wear suitable protective clothing. Stop leak if safe to do so. Spilled material may present a slipping hazard. Small spills: Clean up any spills as soon as possible, using an absorbent material to collect it. Contain large spills to maximize product recovery or disposal. Substance floats in water. Specialist clean-up methods may be required. Comply with applicable regulations.

Reference to other section:

Refer to sections 1 (contact and emergency phone number), 8 and 13.

SECTION 7 Handling and Storage

Precautions for safe handling:

Container remains hazardous when empty. Continue to observe all precautions. Drain and purge equipment, as necessary, to remove material residues..

Conditions for safe storage, including any incompatibilities:

Technical measures: Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

Storage condition(s): Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Do not store near oxidizing agents.

Specific end use:

No additional information available

SECTION 8 Exposure Controls/Personal Protection

Control parameters:

Mineral oil **TVL (ACGIH)**

5 mg/m³

Personal protective equipment:

Respiratory protection: An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.

Hand protection: Chemical resistant gloves (nitrile-rubber, PVC, neoprene). Use heat-protective gloves when handling product at elevated temperatures.

Skin and body protection: When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn. Wash contaminated clothing before reuse.

Eyes/face protection: Safety glasses with side-shields. Use splash goggles when eye contact due to splashing is possible. Wear goggles and face shield if material is heated above 51°C

Hygiene measure: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. DO NOT use gasoline, kerosene, solvents, or harsh abrasives as skin cleansers. Remove all contaminated clothing and footwear. Wash contaminated clothing prior to re-use.

SECTION 9 Physical and Chemical Properties

Physical state:	Liquid
Color:	Red
Odour:	Petroleum
Pour point:	< -40 °C
Flash point:	> 220 °C
Solubility:	Water: insoluble
Viscosity (t=100 C) :	7-9 cSt
Density @20 C	<0.880 kg/m3

SECTION 10 Stability and Reactivity

Reactivity:	No information available.
Chemical stability:	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.
Possibility of hazardous reaction	No information available.
Conditions to avoid	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.
Incompatible materials	Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
Hazardous decomposition	Hazardous decomposition byproducts may form with exposure to high

product: temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11 Toxicological Information

Information on toxicological effects

Acute toxicity:	LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 2000 mg/kg
Irritation:	Not expected to be an irritant to eyes or skin. Inhalation of fumes or vapours may cause respiratory irritation.
Corrosivity:	No adverse health effects were noted.
Sensitisation:	Repeated exposure may cause sensitization due to an allergic reaction of the skin.
Repeated dose toxicity:	No data available.
Carcinogenicity:	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity :	Not expected to be mutagenetic.
Toxicity for reproduction:	Not expected to be toxic

Information on likely routes of exposure:

after inhalation:	Inhalation of vapors may cause respiratory irritation.
after contact with skin:	Prolonged or repeated skin contact with the material will remove natural oils and could lead to dermatitis.
after contact with eyes:	
after ingestion:	Ingestion may cause nausea, vomiting and diarrhea.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	No adverse health effects were noted.
Other information:	No data available.

SECTION 12 Ecological Information

Toxicity:	No specific ecotoxicity data on this product available.
Persistence and degradability:	Major components are inherently biodegradable.
Bioaccumulative potential:	Not determined.
Mobility in soil:	It is to be expected small mobility in soil. Some or a few components may get into the soil and may cause pollution of ground water. Product spreads on the watersurface.
Results of PBT and vPvB assessment:	No data available.
Other adverse effects:	No data available.

SECTION 13

Disposal Considerations

Regional legislation (waste): Dispose of contents/container to comply with applicable local, national and international regulation.

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:

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/RID) UN/ID Number: Not Regulated
Proper shipping name:

Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

SECTION 15 Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No.1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency and amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (correction OJ L 136 of 29 May 2007 with amendments)

Regulation of the (UE) Commission no. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18, 2006 on registration, evaluation, granting of permissions and restrictions applied in scope of chemicals (REACH)

Chemical safety assessment:

No data available.

SECTION 16 Other Information

Update range:

Layout and content adjusted to the requirements of the regulation (EU) No.453/2010.

Abbreviations and acronyms in the Safety Data Sheet

vPvB very Persistent, very Bioaccumulative (substance)
PBT Persistent, bioaccumulative, and toxic (substance)
LC50 Concentration that will kill 50% of the test animals
IARC= International Agency for Research on Cancer
ECX Concentration at which x% inhibition of growth or growth rate is observed
RID Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADR Agreement on Dangerous Goods by Road
IMDG International Maritime Transport of Dangerous Goods
IATA International Air Transport Association
References.

List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements:

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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