

PRODUCT NAME: ABRO Power Steering Fluid
PRODUCT NUMBER/SIZE: PS-700 / 12 oz.

Rev Date: 12/20/2021

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: Power Steering Fluid
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 hazardous according to classification criteria.

Label Pictogram(s): None needed according to classification criteria.

Signal Word: None needed according to classification criteria.

Hazard Phrases: None needed according to classification criteria.

Precautionary Phrases: None needed according to classification criteria.

Response: None needed according to classification criteria.

Storage / Disposal: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

Other: Keep out of reach of children.

Hazard(s) Not Otherwise Classified Repeated exposure may cause skin dryness or cracking

SECTION 3
Composition/Information on Ingredients

| COMPONENTS | CAS Number | Percent by weight |
|---|-------------------|--------------------------|
| Lubricating oils, petroleum, hydrotreated spent | | 14-99 |
| Petroleum distillates, solvent-refined heavy paraffinic | | 0-85** |
| Residual oils (petroleum), hydrotreated | | 0-85** |

| | | |
|---|--|---------|
| Residual oils (petroleum), solvent dewaxed | | 0-100** |
| Residual oils (petroleum), solvent refined | | 0-85** |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | | 0.1-2 |
| Mineral Oil | | 0.1-1 |

Component Related Regulatory Information

*Supplier advises that this is a trade secret.

SECTION 4 First Aid Measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

Skin

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if needed.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

SECTION 5 Fire Fighting Measures

Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

Negligible fire hazard. Avoid friction, static electricity and sparks.

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide, and unidentified compounds.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled products. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in Section 8: Exposure Controls/Personal Protection. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or absorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

SECTION 7 Handling and Storage

Precautions for Safe Handling

Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have a low vapor pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Incompatibilities

Strong oxidizing materials.

SECTION 8 Exposure Controls/Personal Protection

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Appropriate Engineering Controls

Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

Individual Protective Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required Safety glasses, lab coat or apron.

Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended.

Respiratory Protection

No respiratory protection is normally required. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult with a health and safety professional for specific respirators appropriate for your use.

SECTION 9 Physical and Chemical Properties

Appearance/Odor : Amber, red, green, or blue liquid; petroleum odor.

pH: Not applicable

Boiling Point: (226°C) (minimum)

Odor Threshold: Not available

Solubility (H₂O): Insoluble

Melting Point: Not available [pour point 21°F(-6C) (maximum)]

Density: 7.2 LB/US gal (approximately)

Specific Gravity: 0.87 (water = 1) (approximately)

Evaporation Rate: Not available

Octanol/H₂O Coeff.: Not available

LFL: Not available

Auto Ignition Temperature: Not Available

UFL: Not available

Flash Point: (165°C) (minimum)

Vapor Pressure: Less than 0.1 mm Hg at 68°F (20°C)

Viscosity: >20.5 mm²/s @ 104°F (40°C)

Other Property Information: No information is available.

SECTION 10 Stability and Reactivity

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions
Will not polymerize.

Conditions To Avoid
Avoid sparks, flames, or other sources of ignition.

Incompatible Materials
Avoid oxidizing agents.

Hazardous Decomposition Products
None under normal temperatures and pressures.

SECTION 11 Toxicological Information

Toxicity Data and Information

Component Analysis - LD50/LC50

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Dermal LD50 Rabbit >4480 mg/kg; Oral LD50 Rat >2000 mg/kg

Residual oils (petroleum), solvent dewaxed (64742-62-7)

Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Ingestion

May be harmful if swallowed.

Skin Contact

Repeated exposure may cause skin dryness or cracking.

Eye Contact

No information on significant adverse effects.

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity

May cause slight skin and respiratory irritation.

Respiratory Sensitization

No information available for the product.

Skin Sensitization

No information available for the product.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Germ Cell Mutagenicity

No information available for the product.

Teratogenicity

No information available for the product.

Reproductive Effects

No epidemiological data is available for this product.

Specific Target Organ Effects - Single Exposure

No information on significant adverse effects.

Specific Target Organ Effects - Repeated Exposure

No information on significant adverse effects.

Aspiration Hazard

No data available.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

SECTION 12 Ecological Information

Ecotoxicity

Toxic to aquatic life.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

| Duration/Test/Species | Concentration/Conditions Notes |
|-----------------------|--------------------------------|
|-----------------------|--------------------------------|

| | |
|------------------------------|-------------------------|
| 96 Hr LC50 Brachydanio rerio | 79.6 mg/L [semi-static] |
|------------------------------|-------------------------|

| | |
|--------------------------------|------------------------|
| 96 Hr LC50 Pimephales promelas | 3.2 mg/L [semi-static] |
|--------------------------------|------------------------|

Residual oils (petroleum), solvent dewaxed (64742-62-7)

| Duration/Test/Species | Concentration/Conditions Notes |
|-----------------------|--------------------------------|
|-----------------------|--------------------------------|

| | |
|--------------------------------|------------|
| 96 Hr LC50 Oncorhynchus mykiss | >5000 mg/L |
|--------------------------------|------------|

| | |
|--------------------------|------------|
| 48 Hr EC50 Daphnia magna | >1000 mg/L |
|--------------------------|------------|

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

| Duration/Test/Species | Concentration/Conditions Notes |
|-----------------------|--------------------------------|
|-----------------------|--------------------------------|

| | |
|--------------------------------|-------------------------|
| 96 Hr LC50 Pimephales promelas | 1.0 - 5.0 mg/L [static] |
|--------------------------------|-------------------------|

| | |
|--------------------------------|--------------------------------|
| 96 Hr LC50 Pimephales promelas | 10.0 - 35.0 mg/L [semi-static] |
|--------------------------------|--------------------------------|

| | |
|--------------------------|--------------|
| 48 Hr EC50 Daphnia magna | 1 - 1.5 mg/L |
|--------------------------|--------------|

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

Other Adverse Effects

No additional information is available.

SECTION 13 Disposal Considerations

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, this product can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of these products.

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: None.
Environmental Hazards:
Transport in Bulk: Not Applicable.
Special Precautions:

IMO/IMDG UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions: None.
Environmental Hazards:
Transport in Bulk: Not Applicable.
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

Volatile Organic Compounds (As REgulated)

Negligible As per 40 CFR Part 51.100(s)

Federal Regulations

SARA 302/304

Component Analysis

Based on the ingredient(s) listed in Section 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as

identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Hazardous Categories

Acute Health: No Chronic Health: No Fire: No Reactive: No

SARA Section 313

Component Analysis

This product contains a "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

1.0 % de minimis concentration (related to Zinc compounds)

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA Inventory

All the components of these products are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

Component Analysis

| Component | CAS # | TSCA |
|---|------------|------|
| Lubricating oils, petroleum, hydrotreated spent | 64742-58-1 | Yes |
| Residual oils (petroleum), solvent dewaxed | 64742-62-7 | Yes |
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | 68649-42-3 | Yes |

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | MA | MN | NJ | PA | CA |
|---|------------|------------------|----|----|------------------|------------------|
| Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (*related to: Zinc compounds) | 68649-42-3 | Yes ¹ | No | No | Yes ¹ | Yes ¹ |

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Canadian Regulations

Component Analysis

| Component | CAS # | CAN |
|---|------------|-----|
| Lubricating oils, petroleum, hydrotreated spent | 64742-58-1 | DSL |
| Residual oils (petroleum), solvent dewaxed | 64742-62-7 | DSL |

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts 68649-42-3 DSL

Canadian WHMIS Information
Not regulated.

Component Analysis
Not regulated.

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