

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information: 1000040232

Product Identifier: 32 OZ DOT 4 BRAKE FLUID

Recommended Use: Not Known

Manufacturer/Importer/Distributor Information: Association of Independent Oil Distributors
203 W Main St
Montrose, CO 81402
US
800-313-2463

Emergency Telephone: 866-836-8855

2. Hazard(s) identification

Classification

Serious Eye Damage, category 1
Reproductive Toxicity, category 2

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.

GHS PRECAUTIONARY STATEMENTS

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P203 Obtain, read and follow all safety instructions before use.
P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
P280 Wear eye protection, face protection, protective gloves, and protective clothing

Response

P305+P354+P338 IF IN EYES: Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 Get medical help.
P318 IF exposed or concerned, get medical help.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information

None

3. Composition/Information on Ingredients

Mixtures

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Content in Percent (%)</u> *
Triethylene Glycol Butyl Ether	143-22-6	25-50
Triethylene glycol monomethyl ether borate ester	30989-05-0	25-50
Diethylene Glycol	111-46-6	10-25
3,6,9,12-Tetraoxahexadecan-1-ol	1559-34-8	10-25
Diethylene Glycol Monobutyl Ether	112-34-5	2.5-10
Phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-	17540-75-9	0.1-1.0

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

EYE CONTACT: Rinse immediately with plenty of water.

INHALATION: Move to fresh air.

INGESTION: Rinse mouth.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: No data available

STORAGE: No data available

NFPA 30B: No data available

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>
Triethylene Glycol Butyl Ether	N.E.	N.E.	N.E.	N.E.
Triethylene glycol monomethyl ether borate ester	N.E.	N.E.	N.E.	N.E.
Diethylene Glycol	N.E.	N.E.	N.E.	N.E.
3,6,9,12-Tetraoxahexadecan-1-ol	N.E.	N.E.	N.E.	N.E.
Diethylene Glycol Monobutyl Ether	10 ppm	N.E.	N.E.	N.E.
Phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: In case of insufficient ventilation wear suitable respiratory equipment. Seek advice from local supervisor.

HYGIENIC PRACTICES: General industrial hygiene practice. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Clear
Color:	Yellow
Odor:	Sweet
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	246
Flash Point, °C:	121
Flammability (solid, gas):	No data available
Evaporation Rate:	No data available
Combustibility:	Does not Support Combustion
Explosive Limits, %:	No data available
Vapor Pressure @20°C, PSI:	0.001
Vapor Density:	No data available
Relative Density:	No data available
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: No data available

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

IMPORTANT SYMPTOMS: No data available

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: May cause slight irritation with tearing.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

CHRONIC HAZARDS: No data available

Carcinogenicity: contains 1 component (Diethanolamine) present at a level greater or equal to 0.1% that have been identified as possible carcinogenic to humans by IARC (Group 2B).

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

<u>ATE ORAL</u>	3,342 mg/kg
<u>ATE DERMAL</u>	5,105 mg/kg
<u>ATE INHALATION</u>	Not classified for acute toxicity based on available data.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
143-22-6	Triethylene Glycol Butyl Ether	5,000 mg/kg	3,540 mg/kg	100 mg/l
30989-05-0	Triethylene glycol monomethyl ether borate ester	5000 mg/kg	5000 mg/kg	100 mg/l
111-46-6	Diethylene Glycol	1,120 mg/kg	11890 mg/kg Rabbit	100 mg/l
1559-34-8	3,6,9,12-Tetraoxahexadecan-1-ol	5175 mg/kg Rat	>4000 mg/kg Rat	100 mg/l
112-34-5	Diethylene Glycol Monobutyl Ether	2,410 mg/kg	2,764 mg/kg	100 mg/l
17540-75-9	Phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-	4800 mg/kg Rat	5000 mg/kg	100 mg/l

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Components:

Triethylene Glycol Butyl Ether 143-22-6 Causes serious eye damage.

Respiratory or Skin Sensitization:

Product: No data available

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Components:

Triethylene glycol monomethyl ether borate ester 30989-05-0 Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

UN Number:	N/A
Proper Shipping Name:	Not Regulated
Technical Name:	N/A
Hazard Class(es)	
Class:	N/A
Subsidiary Risk	N/A
Packing Group:	N/A

IATA

UN Number:	N/A
Proper Shipping Name:	Not Regulated
Technical Name:	N/A
Hazard Class(es)	
Class:	N/A
Subsidiary Risk:	N/A
Packing Group:	N/A

IMDG

UN Number:	N/A
Proper Shipping Name:	Not Regulated
Technical Name:	N/A
Hazard Class(es)	
Class:	N/A
Subsidiary Risk:	N/A
Packing Group:	N/A

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

TSCA On or in compliance with the inventory
DSL All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer.

<u>Chemical Name</u>	<u>CAS-No.</u>
Diethanolamine	111-42-2

16. Other Information

Revision Date: 11/9/2022

Datasheet produced by: Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.