

MATERIAL SAFETY DATA SHEET

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MATERIAL SAFETY DATA SHEET

May be used to comply OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration.
(Non-Mandatory Form) Form Approved OMB No.1218-0072.

SECTION I GENERAL INFORMATION

PRODUCT NAME EBS Super Heavy Duty BRAKE FLUID – DOT 4
PART NUMBER

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	WT.%	C.A.S. No	TLV(ACGIHxx OSHA--)
Polyethylene Glycol Ethers	50-85	112-505	N/A
Polyethylene Glycol	15-50	25322-68-3	N/A
Borate Ester	8-18	68441441	N/A

Comments: National Toxicology Program (NTP)

Components not identified are non-hazardous according to 29 CFR 1910.1200

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	1.03	Appearance and Odor	Clear, amber liquid with slight etheric odor
Solubility in Water	Complete	pH	10.0 – 11.5
Flash Point (TOC), °F	300	Solubility in Solvent	N/A
Melting Point, °F	N/A	%Volatiles By Wt.	N/A
Vapor Pressure (mmHg)	<0.1@ 20°C	Boiling Point, °F	475
Evaporation Rate (Butyl Acetate=1)	N/A	Vapor Density (Air=1)	N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Water xx Foam xx CO₂ xx Dry Chemicals xx
Fog

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool containers exposed to heat or flame. When using water or foam, frothing may occur, especially if sprayed into containers of hot, burning liquid. Fire fighters should wear self-contained, positive pressure breathing apparatus and protective clothes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V REACTIVITY DATA

Stable xx Unstable Corrosive Hazardous - Polymerization? Yes No xx

Incompatibilities:

Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Fire: Normal products of combustion; carbon dioxide, carbon monoxide.

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product	Not Established
EYE CONTACT	Low hazard for usual handling.
INHALATION	Low hazard at ambient condition. Avoid prolonged inhalation of mist or vapors. Acute or chronic overexposure may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea.
OTHER	None known.
SKIN CONTACT	SKIN CONTACT Prolonged contact with skin could result in irritation.
INGESTION	INGESTION Oral induction can cause kidney and liver injury. Large doses could be fatal.

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush with water for 15 minutes thoroughly and continue flushing until irritation subsides.
SKIN CONTACT	Wash with soap and water thoroughly. Remove contaminated clothing and wash before re-use. If redness or irritation occurs, seek medical attention.
INHALATION	Remove effected person to fresh air immediately.
INGESTION	If person is conscious, give large quantities of water immediately. Induce vomiting. Get immediate medical attention.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	CONSUMER N/A	BULK HANDLING (Prolonged Exposure) If TVL is exceeded, wear NIOSH approved respirator.
VENTILATION	Use with adequate ventilation.	General.
EYE PROTECTION	N/A	Goggles or face shield.
PROTECTIVE CLOTHING	N/A	Impervious synthetic rubber clothing (bots, gloves, aprons, etc.) over parts of the body subject to exposure.

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE	Remove all sources of ignition. Small spills may be collected with absorbent materials. For larger spills, flush area with water spray. Prevent runoff from entering drains, sewers, or streams. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.
WASTE DISPOSAL METHOD	Dispose in accordance with all local, state and federal regulations. Department of transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be land filled or incinerated at an approved facility. Materials should be recycled if possible.
STORAGE AND HANDLING PRECAUTIONS	Store in properly marked, closed containers away from heat, sparks, open flame, and oxidizing agents.
OTHER PRECAUTIONS	Wearing contact lenses is inadvisable. Wash thoroughly after handling. Good hygiene practice should be followed which includes minimizing skin contact. Keep away from children and animals.

Supersedes _____

OSHA Revised _____
Title _____

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