MATERIAL SAFETY DATA SHEET

35-012, 033, 101, 103 -155

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Form No.: 5230h
Date: 06/17/86

SECTION 1 NAME & HAZARD SUMMARY

Material name:
DOT 3 MOTOR VEHICLE BRAKE FLUID

Hazard summary (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):
Physical hazards: None
Health hazards: Irritant (skin, eye)

Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 2 INGREDIENTS

	%	TLV (ACGIH)
Variable glycol ether/polyglycol mixture	ca 100	Not listed

Ingredients not precisely identified are proprietary or nonhazardous. All ingredients appear on the EPA TSCA Inventory. Values are not product specifications. gt = greater than, lt = less than, ca = approximately

SECTION 3 PHYSICAL DATA

Boiling point: 401°F, 205°C
Vapor pressure (mmHg at 20°C): No data
Vapor density (air = 1): No data
Solubility in water: Soluble
pH: Neutral
Specific gravity: No data
% Volatile by volume: No data
Appearance and odor: Clear liquid with mild odor

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash point (and method): Above 200°F, 93.3°C (Setaflash CC)
Autoignition temp.: No data
Flammable limits (STP): No data

Extinguishing media:
Water fog, alcohol foam, carbon dioxide, dry chemical, halon 1211.

Special fire fighting protective equipment:
Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:
None known.

SECTION 5 REACTIVITY DATA

Stability:
Stable under normal conditions.

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SECTION 5 REACTIVITY DATA (continued)

Incompatibility (materials to avoid):
Strong oxidizing agents.

Hazardous decomposition products:
Combustion products: Carbon dioxide, carbon monoxide.

Hazardous polymerization:
Will not occur.

SECTION 6 HEALTH HAZARD ASSESSMENT

General:
No toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on similar preparations and on information from the literature.

Ingestion:
The acute oral LD_{50} in rat is probably above 5 g/kg. Relative to other materials, a single dose of this product is practically nontoxic by ingestion, Hodge, H.C. and Sterner, J.H., American Industrial Hygiene Association Quarterly, 10:4, 93, Dec. 1949.

Eye contact:
This material will probably irritate human eyes following contact.

Skin contact:
Short contact periods with human skin are not usually associated with skin irritation; repeated and/or prolonged contact can induce skin irritation.

Skin absorption:
Systemically toxic concentrations will probably not be absorbed through the skin in man.

Inhalation:
No toxic effects are known to be associated with inhalation of vapors from this material.

Other effects of overexposure:
No other adverse clinical effects are known to be associated with exposures to this material. However, a component of this product, triethylene glycol, is reported to induce headache and nausea following ingestion of large doses. Its LD_{50} is reported to be 17.0 g/kg in rat.

First aid procedures:
Skin: Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
Eyes: Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.
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DOT 3 MOTOR VEHICLE BRAKE FLUID

SECTION 6 HEALTH HAZARD ASSESSMENT (continued)

First aid procedures (continued):

Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

Inhalation: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION 7 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Wear skin and eye protection during cleanup. Soak up liquid with absorbent and shovel into waste container. Wash residue from spill area with water and flush to a sewer serviced by a wastewater treatment facility.

Disposal method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all hazardous product residue and puncture or otherwise destroy empty container before disposal.

SECTION 8 SPECIAL PROTECTION INFORMATION

TLV® or suggested control value:

No TLV assigned. Minimize exposure in accordance with good hygiene practice.

Ventilation:

Use local exhaust to keep exposures to a minimum.

Respiratory protection (specify type):

If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes with TLV not less than 0.05 mg/m^3 in combination with organic vapor cartridge.

Protective clothing:

Impervious gloves and apron.

Eye protection:

Chemical tight goggles; full faceshield in addition if splashing is possible.

Other protective equipment:

Eyewash station and safety shower in work area.

SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling or storing:

Prevent skin and eye contact.

The information herein is given in good faith
but no warranty, expressed or implied, is made.

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