# **MATERIAL SAFETY DATA SHEET**

**Radiator Specialty Company** 

1900 WILKINSON BLVD, CHARLOTTE, NC 28208 (704) 377-6555

POISON INFORMATION & EMERGENCY: 303-623-5716

## **MATERIAL SAFETY DATA SHEET**

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

## US DEPARTMENT OF LABOR

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

# SECTION I GENERAL INFORMATION

PRODUCT NAME

DOT 3 STANDARD HEAVY DUTY BRAKE FLUID.

PART NUMBER

M44- 12, -32, -34, -40, -49

NOTE: Blank spaces are not permitted. If any Item is not applicable or no Information is available, the space must be marked to indicate that.

# SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT

C.A.S. NO.

TLV (ACGIH-----OSHA-

Polyglycol Ethers

and Ployglycols

92-99

PROPRIETARY

NDA

NOTE: Our suppliers consider product composition to be proprietary. Reportable components have been reported to EPA chemical substance inventory as required by TSCA. This proprietary mixture contains chemicals that are subject to Reporting Requirements of Section 313 Sara Title III.

Comments:

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

# SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H2O=1)

1.039

Soluble

N/A

Alcohols

Solubility in Water Flash Point (Method) - F

280°F. (PMCC)

Solubility in Solvent % Volatiles By Wt.

Not known ..

Melting Point - F°

Does not apply

Boiling Point - F

Greater than 410

Vapor Pressure (mmHg)

< 0.01 mmHg

Vapor Density (Alr=1) 6

Evaporation Rate (Butyl Acetate=1)

< 0.01

Appearance and Odor

Light, yellow to dark amber liquid with mild odor.

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

**EXTINGUISHING MEDIA:** 

Water Fog

XX

Foam XX

CO2 XX: **Dry Chemical** 

XX

SPECIAL FIRE FIGHTING PROCEDURES. Wear self-contained, positive pressure breathing apparatus and protective clothes. Do not use a solid stream of water or foam into hot, burning pools: this may cause frothing and Increase fire intensity.

UNUSUAL FIRE AND EXPLOSION HAZARDS During a fire, Oxides of nitrogen may be produced.

# SECTION V REACTIVITY DATA

. M44

Stable	XX	Unstable	Corrosive NO	Hazardous Polymerization? Yes	No	XX
Incom	patibilities	Strong oxidizing agents, Stro	ong alkalies, high temperatur	es in the presence of strong bases and acids		
	lous Deco		Burning can produce the folk	owing products: carbon monoxide and /or ca	arbon d	ioxide,

## SECTION VI HEALTH HAZARD INFORMATION

Recommende	ed TLV of Product Not establish	ned.	
EYE CONTACT Cause	s severe Irritant	SKIN CONTACT	Prolonged or repeated contact may cause local redness, defatting, and drying of the skin.
INHALATION may cause irrite	Excessive inhalation of mist or fumes tion of mucous membranes.	INGESTION May cau	HARMFUL IF SWALLOWED! use stomach cramps, nausea, diarrhea.
OTHER	N/A	~	

# SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT Flush with water for at least 15 minutes thoroughly while lifting eyelids. Consult a physician immediately.  SKIN CONTACT Wash with soap and water thoroughly. Remove contaminated clothing and launder before re-use.							
INHALATION	Move to fresh air						
	rink two glasses of water. INDUCE VOMITING! This should be done only by a medical or experienced first-aid onsult a physician immediately.						

#### SECTION VIII SPECIAL PROTECTION INFORMATION

CONSUMER			BULK HANDLING (Prolonged Exposure)		
RESPIRATORY PROTECTION	N/A		Not required.		
VENTILATION Use with	adequate ventilation.		General		
EYE PROTECTION	N/A		Goggles.		
PROTECTIVE CLOTHING	N/A		Not required.		

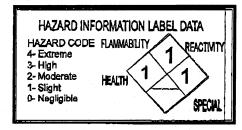
#### SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE Observing health hazards described above, ventilate area, use absorbant, shovel or sweep up. Place waste in a DOT approved container and seal. Flush residual material with water.

WASTE DISPOSAL METHOD Dispose of in accordance with all applicable government laws and regulations.

STORAGE AND HANDLING PRECAUTIONS Store away from acids, ignition sources and oxidizing agents. See incompatibilities listed above.

OTHER PRECAUTIONS WEARING CONTACT LENSES IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS!



Supersedes

AUG 1996

OSHA Revised DECEMBER 1998

Title R. GEER -CHEMIST

While Radiator Specialty Company believes this date is accurate as of the revision date, we make no werranty with respect to the date and we expressly disclaim all liability for reliance thereon. The date is offered solely for information, investigation, and verification.