

MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): O'REILLY DOT 3 BRAKE FLUID

PRODUCT CODE: ORBF0126, OR20BFPL

NFPA Hazard Identification 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

Health: ND

Fire: ND

Reactivity: ND

Section I - General Information

Warren Distribution, Inc.

2849 River Road
Council Bluffs, IA 51501
Information (402) 341-9397

Emergency (402) 677-1331

Chemtrec

(800) 424-9300

Reviewed: 08/22/01

Section II - Hazardous Ingredients

COMPONENT NAME	%	CAS	ACGIH TLV
DOW 1000 Brake Fluid			
"proprietary mixture of glycol ethers, polyglycols, glycols, oxidation inhibitors and corrosion inhibitors"			
minor component	100ppm	100ppm	

Section III - Physical/Chemical Characteristics

Boiling Point (deg F): 450 TYP Specific Gravity (H₂O=1): 1.03 Vapor Pressure (mm Hg): low
Melting Point (deg F): ND Vapor Density (Air=1): ND Solubility in Water : infinite
Evaporation Rate (n-butyl Acetate=1): ND

APPEARANCE AND ODOR: Light yellow liquid with a mild odor

Section IV - Fire and Explosion Hazard Data

Flash Point (deg F): 272 280 Method Used: PMCC COC
Flammable or Explosive Limits (approximate % by volume in air) LEL: ND UEL: ND

EXTINGUISHING MEDIA: water fog, alcohol resistant foam, CO₂, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Wear positive-pressure, self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product will burn. Burning produces carbon dioxide, carbon monoxide, and water.

Section V - Reactivity Data

STABILITY: Stable under normal storage conditions. CONDITIONS TO AVOID: n/a

INCOMPATIBILITY (MATERIALS TO AVOID): strong oxidizing material

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: none known

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID: n/a

Section VI - Health Hazard Data

EYE CONTACT: May cause moderate eye irritation. May cause moderate corneal injury.

SKIN CONTACT: Prolonged or repeated exposure may cause skin irritation. May cause more severe response if skin is abraded (scratched or cut). A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The dermal LD50 has not been determined. Prolonged or repeated skin contact with large amounts of some of the ingredients of this formula may cause drowsiness.

INHALATION: Vapors are minimal due to physical properties; a single exposure is not likely to be hazardous.

INGESTION: Single dose oral toxicity is low. The oral LD50 for rats is believed to be >2000mg/kg. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts may cause injury.

CARCINOGENICITY: Two minor components have been tested for carcinogenicity and pose no carcinogenic risk to man.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: n/a

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: n/a

OTHER HEALTH INFORMATION: The minor components in this formulation when tested separately (usually by ingestion) have caused kidney, liver, gastrointestinal, testicular and central nervous system effects; bladder stones; nausea and vomiting. Minor components, when tested separately, have shown little or no birth defect risk to humans although fetal toxicity has occurred in animal studies and one component caused birth defects in animals following ingestion of large doses. Some minor components, when tested separately, have been shown not to interfere with reproduction, although one of these minor components was slightly toxic to the offspring of treated female rats. Of the minor components tested for mutagenicity, only one has produced some positive results along with negatives in in vitro ("test tube") tests.

Section VII - First Aid Procedures

EYE CONTACT: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN CONTACT: Wash off in flowing water or shower.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

INGESTION: Induce vomiting if large amounts are ingested. Consult medical personnel.

Section VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Take up with sand or other noncombustible absorbent material and place into containers for disposal.

WASTE DISPOSAL METHOD: n/a

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Practice reasonable care and personal cleanliness.

OTHER PRECAUTIONS: n/a

Section IX - Control Measures

RESPIRATORY PROTECTION: When airborne exposure guideline and/or comfort levels may be exceeded, use and approved air-purifying respirator.

VENTILATION: Good general ventilation should be sufficient for most conditions.

PROTECTIVE GLOVES: Use impervious gloves when prolonged or frequently repeated contact could occur or if hands are cut or scratched.

EYE PROTECTION: use chemical goggles.

OTHER PROTECTIVE EQUIPMENT: For brief contact, no precautions other than clean body-covering clothing should be needed.

WORK PRACTICES/ENGINEERING CONTROLS: n/a

PERSONAL HYGIENE: Practice reasonable care and personal cleanliness.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we received from sources outside our company and we believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. no warranty is made, either expressed or implied.