

SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® DOT 3 Brake Fluid**

PRODUCT TYPE: Brake Fluid
PRODUCT CODE: C26

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
800-876-0222 • FAX 585-325-4514
EMERGENCY 585-275-3232

SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: Irritant 

Causes eye irritation. Harmful if swallowed. May cause skin irritation. May be harmful if absorbed through the skin. Toxic fumes are released in fire situations.

POTENTIAL HEALTH EFFECTS:

Eyes: May cause moderate eye irritation and corneal injury.

Skin: Prolonged or repeated contact may cause skin irritation. Repeated skin contact may result in absorption of harmful amounts. Massive contact with damaged skin or of material sufficiently hot to burn skin may result in absorption of potentially lethal amounts.

Inhalation: At room temperature, exposure to vapor is minimal due to low volatility. If material is heated or areas are poorly ventilated, vapor/mist may accumulate and cause respiratory irritation and symptoms such as headache and nausea.

Ingestion: Moderate toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause serious injury or death. May cause nausea or vomiting, abdominal discomfort or diarrhea. Excessive exposure may cause central nervous system effects, cardiopulmonary effects (metabolic acidosis), and kidney failure.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PEL	TLV	STEL	%
Polyethylene Glycol Butyl Ether	9004-77-7	NE	NE	NE	60-80%
Proprietary Mixture	Mixture	NE	NE	NE	20-40%
Piperazine	110-85-0	NE	NE	NE	0.1-1%

SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.

Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.

Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 397°F (203°C) LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Appropriate for surrounding fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spills: Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.

Storage: Keep from freezing. Keep containers tightly closed. Store in a cool, dry place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: None Established.

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

Gloves: Wear impervious gloves.

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear clothing suited to the task being performed.

Respiratory Protection: Not normally required if good ventilation is maintained.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT:	401°F (205°C)	SPECIFIC GRAVITY (H ₂ O=1):	1.03
VAPOR PRESSURE:	Less than 0.1 at 68°F	PERCENT VOLATILE BY VOL %:	ND
VAPOR DENSITY (air=1)	NE	EVAPORATION RATE (Butyl Acetate=1):	ND
SOLUBILITY IN WATER:	Infinite	APPEARANCE & ODOR:	Light Yellow Liquid / Mild Etheric
pH:	NA		

SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents, acids, and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Can include and are not limited to aldehydes, ketones, and organic acids.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results:

Skin: The dermal LD50 has not been determined.

Ingestion: Single dose oral LD50 has not been determined.

Mutagenicity: In vitro mutagenicity studies were negative for components tested. Mutagenicity studies in animals were negative for components tested.

SECTION 12 ECOLOGICAL INFORMATION

Movement and Partitioning: Based largely or completely on data for major components. Bioconcentration potential is low. Potential for mobility in soil is very high.

Degradation and Persistence: Material is readily biodegradable. Passes OECD test for ready biodegradability.

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

SECTION 14 TRANSPORT INFORMATION

This product is considered Non-Hazardous in all modes of transportation. Therefore, this product does not require classification by DOT, IATA, ICAO or IMDG.

SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16 OTHER INFORMATION

Further information: (HMIS[®] is a registered trade and service mark of the NPCA.)

HMIS[®] ratings Health: 1
 Flammability: 1
 Physical hazard: 0

NFPA ratings Health: 1
 Flammability: 1
 Instability: 0

National Stock Number: 9150-00-F05-6186

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 4/30/10

UPDATED: 6/12/13

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