

**Manufactured For
Balkamp Inc.
2601 S. Holt Rd.
Indianapolis, IN 46241 (317-381-2272)**

Material Safety Data Sheet

**Manufactured for:
ARC
2601 S. Holt Rd.
Indianapolis, IN 46241
1-317-244-7241**

NAPA MAC'S BRAKE FLUID

**Product Name: NAPA BRAKE FLUID – DOT 3
Product Numbers: 35-012, 35-032, 35-101, 35-155
24 Hour Emergency Phone Number: To be supplied by customer
NFPA Hazard Identification:**

Fire – 1 Health-2 Reactivity-0

1. Ingredients

Component Name/ CAS Number	Hazardous In Blend	Percentage Min Max	Exposure Limit	Units
Cylcol Ether Mixture	Yes	50 to 80	OSHA PEL ACGIH TLV	No Limit No Limit
Lubricity Additive Mixture	No	10 to 35	OSHA PEL ACGIH TLV	No Limit No Limit
Oxidation Inhibitor Mixture	No	< 10	OSHA PEL ACGIH TLV	No Limit No Limit
Corrosion Inhibitor Mixture	No	< 1	OSHA PEL ACGIH TLV	No Limit No Limit

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2. Physical Properties

Appearance: Pale Yellow Liquid	
Odor: No Data	Molecular Weight: No Data
Specific Gravity (H ² O=1): 1.03	Solubility In H ² O: Soluble
Boiling Point: 430F (221 C) Minimum	Vapor Pressure: <1.
Freezing Point: No Data	% Volatiles by Volume: Negligible
Evaporation Rate: Negligible	Vapor Density (Air=1): No Data
PH: No Data	Pour Point: No Data

3. Fire and Explosive Hazards

Flash Point: 280F
Method Used: COC

Flammable Limits in Air by % Vol.: No Data
Auto Ignition Temp: No Data

Extinguishing Media:

Water fog, foam, dry chemical or carbon dioxide

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Special Fire Fighting Procedures:

Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur. Especially if sprayed into containers or hot, burning liquid. Do not use direct water stream as it may spread the fire.

Unusual Fire and Explosion Hazards:

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

4. Reactivity Data

Stability:

Stable

Conditions to Avoid:

Elevated Temperatures May Decompose Active Ingredient

Incompatibilities:

May React with Strong Oxidizing Agents

Hazardous Decomposition:

None

Hazardous Polymerization:

Will Not Occur

5. Health Hazard Summary

Eyes:

Avoid Eye Contact. May cause Moderate Eye Irritation.

Skin Contact:

Avoid skin contact. Minimally irritating to the skin upon direct contact. Prolonged or repeated contact may cause skin irritation. May be absorbed through the skin. Contact with extremely hot material or damaged skin may result in absorption of potentially harmful or lethal amounts.

Inhalation:

Avoid prolonged inhalation of vapors. Not a probable inhalation hazard at room temperature due to its low vapor pressure. Overexposure may lead to drowsiness, numbness and headache followed by dizziness and nausea.

Ingestion:

Do not ingest. Ingestion of large quantities may be fatal.

Health Data:

Prolonged and repeated exposure to large quantities may cause skin irritation and drowsiness. Ingestion of large, single doses of chemicals similar to those in this product, can be harmful, even fatal. There is no relevant information available on the major components. The minor components when tested separately (usually by ingestion) caused kidney, liver, gastrintestinal, testicular and central nervous system effects,

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bladder stones, nausea and vomiting. Not carcinogenic according to the OSHA hazard communication standard.

6. Recommended First Aid Treatment

Eyes:

Flush with large amounts of water for at least 15 minutes or until irritation subsides. Consult physician if irritation or pain persists.

Skin:

Remove contaminated clothing and flush with water and mild Soap. If redness or irritation persists, seek medical attention.

Inhalation:

If breathing becomes difficult, remove to fresh air immediately. See medical attention.

Ingestion:

Do not induce vomiting. Seek medical attention.

7. Health Protection Information

Ventilation:

Adequate ventilation must be provided to maintain concentrations below the specified exposure or flammable limits if vapor or mist is generated when the material is heated.

Respiration Protection:

Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when material is heated or handled. Use a Niosh approved organic vapor respirator with a dust and mist filter.

Skin Protection:

None required in normal use. For prolonged or repeated contact, use impervious clothing (gloves, aprons etc.) to cover exposed body parts.

Eye Protection:

Not required under normal use. Use splash-proof safety glasses or plastic face shields if splashing may occur.

Other:

Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

8. Environmental Procedures

Spills or Releases:

Notify appropriate authorities of spills. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Absorb with

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Appropriate inert material such as sand, clay etc. Large spills may be picked up using vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers.

Waste Disposal:
Procedures

Dispose in accordance with federal, state and local regulations.

9. Storage and Handling Requirements

Handling Procedures:

Store in closed containers away from heat, sparks, flame or oxidizing materials. Do not transfer to unmarked containers. Use in well ventilated areas. Fire extinguishers should be kept readily available as per NFPA 30 and OSHA 1910.106-Flammable and Combustible Liquids.

10. Shipping Information

DOT Label:

Not regulated

11. Regulatory Information

This product contains the following SARA Title III, Section 313 Reportable Chemicals at or greater than 1.0% (0.1% for Carcinogens).

Glycoethers	CAS#	<100%
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All ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Inventory.

NOTE: The information contained herein is based on data considered accurate and available to us. However, no warranty is expressed or implied regarding accuracy of the data or results to be obtained from the use thereof. It is user's obligation to determine conditions of safe use of the product and we assume no responsibility for its use.

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