

OLIN CORP CHEMICALS GROUP -- BF 470 NAPA DOT 3 BRAKE FLUID -- 9150-01-052-6762

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Product Identification  
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Product ID:BF 470 NAPA DOT 3 BRAKE FLUID

MSDS Date:04/23/1991

FSC:9150

NIIN:01-052-6762

MSDS Number: BTKTD

=== Responsible Party ===

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Info Phone Num:203-356-3449

Emergency Phone

Num:203-356-3449,CHEMTREC 800-242-9300

Preparer's Name:NONE

CAGE:53084

=== Contractor Identification ===

Company Name:AMERICAN INK AND OIL CORP

Address:33 ENDICOTT STREET

Box:City:NORWOOD

State:MA

ZIP:02062-3006

Country:US

Phone:781-762-0026 / FAX: 781-762-1617

CAGE:82956

Company Name:BALKAMP INC

Address:2601 S HOLT ROAD

Box:City:INDIANAPOLIS

State:IN

ZIP:46241

Country:US

Phone:317-244-7241

CAGE:70842

Company Name:NAPA, A DIVISION OF LINCOLN AUTOMOTIVE

Address:ONE LINCOLN WAY

Box:City:ST. LOUIS

State:MO  
ZIP:63120-1578  
Country:US  
Phone:414-255-5520  
CAGE:050Q3  
Company Name:OLIN CORP CHEMICALS GROUP  
Address:120 LONG RIDGE RD  
City:STAMFORD  
State:CT  
ZIP:06904  
Country:US  
Phone:203-356-3449,CHEMTREC 800-242-9300  
CAGE:53084

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Composition/Information on Ingredients  
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Ingred Name:GLYCOL ETHER (SARA III), (CAS NO. AND PERCENTAGE ARE PROPRIETARY INFORMATION, OLIN ACCESS NUMBER 82)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL DERIVATIVE (CAS NO. AND PERCENTAGE ARE PROPRIETARY INFORMATION, OLIN ACCESS NO. 1126)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL DERIVATIVE, (CAS NO. AND PERCENTAGE ARE PROPRIETARY INFORMATION, OLIN ACCESS NO. 1127)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHER (SARA III), (CAS NO. AND PERCENTAGE ARE PROPRIETARY INFORMATION, OLIN ACCESS NO. 1128)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:INHIBITOR PACKAGE (CAS NO. AND PERCENTAGE ARE PROPRIETARY INFORMATION, OLIN ACCESS NO. 1129)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHERS  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ESTER OIL CASTER  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHERS  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKYLAMINES  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ADDITIVES  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50 (RAT): > 5G/KG  
Routes of Entry: Inhalation:NO Skin:YES Ingestio

n:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:DO NOT TAKE INTERNALLY. MAY CAUSE MILD SKIN IRRITATION. MAY CAUSE MILD EYE IRRITATION. MAY CAUSE MILD MUCOUS MEMBRANE IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL DISCOMFORT.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, NAUSEA, VOMITING, LETHARGY, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY DRINK WATER TO DILUTE. CONSULT A PHYSICIAN IF SYMPTOMS DEVELOP.

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===== Fire Fighting Measures =====

Flash Point:240F,116C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== Accidental Release Measures =====

Spill Release Procedures:CONTAIN SPILLED MATERIAL. SPILL MATERIALS MAY BE ABSORBED USING SAND, CLAY OR COMMERCIAL ABSORBENT. DO NOT PLACE SPILL MATERIALS BACK IN THEIR ORIGINAL CONTAINER. DECONTAMINATE ALL CLOTHING AND SPILL AREA USING A DETERGENT AND FLUSH WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. UPON CONTACT WITH SKIN OR EYES, WASH OFF WITH WATER. AVOID CONTACT WITH MOISTURE.

Other Precautions:DO NOT STORE AT TEMPERATURES ABOVE 49C. MILD STEEL CONTAINERS ARE SATISFACTORY FOR STORAGE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS. IF VAPORS, MISTS OR AEROSOLS ARE GENERATED, WEAR A NIOSH/MS HA APPROVED RESPIRATOR.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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===== Physical/Chemical Properties =====

HCC:V6

Boiling Pt:B.P. Text:460F,238C

Melt/Freeze Pt:M.P/F.P Text:-60F,-51C

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.08

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:PALE YELLOW TO CLEAR BROWN LIQUID

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG

OXIDANTS.

Stability Condition to Avoid:EXCESSIVELY HIGH TEMPERATURES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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