

OLIN CORP CHEMICALS GROUP -- LWS 1055 NAPA DOT 4 BRAKE FLUID -- 9150-00-190-0932

===== Product Identification =====

Product ID:LWS 1055 NAPA DOT 4 BRAKE FLUID

MSDS Date:04/01/1994

FSC:9150

NIIN:00-190-0932

MSDS Number: CDFZF

=== 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 P

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

CAGE:53084

=== Contractor Identification ===

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-

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Composition/Information on Ingredients
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Ingred Name:GLYCOL ETHERS
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHER BORATE ESTER
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHERS
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL DERIVATIVE
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL DERIVATIVE
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHERS
Other REC Limits:NONE RECOMMENDED

I
ngred 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 Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:DO NOT

TAKE INTERNALLY. MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION. MAY CAUSE 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 REDNESS/REDNESS/SWELLING/MUCOUS MEMBRANES, SKIN REDNESS, GASTROINTESTINAL DISCOMFORT, NAUSEA, VOMITING, LETHARGY, DIARRHEA.

Medical Cond Ag gravated 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. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY CONTACT OLIN, OR PHYSICIAN OR POISON CONTROL.

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

Flash Point Method:COC
Flash Point:273F,134C
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 INTERNA

LLY. 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.

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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/MSHA APPROVED RESPIRATOR.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED T

O 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 =====

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HCC:V6

Boiling Pt:B.P. Text:>500F,>260C

Melt/Freeze Pt:M.P/F.P Text: