

OCCIDENTAL CHEMICAL CORPORATION -- DOT 3 BRAKE FLUID -- 9150-00-190-0932

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

Product ID:DOT 3 BRAKE FLUID

MSDS Date:04/15/1992

FSC:9150

NIIN:00-190-0932

MSDS Number: CCVRF

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:214-404-3523/7

16-286-3081

Emergency Phone Num:800-733-3665/716-278-7021

CAGE:0AH54

=== 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:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

Z

IP:75244-6198

Country:US

Phone:800-752-5151/972-404-3800

CAGE:0AH54

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===== Composition/Information on Ingredients =====

Ingred Name:ETHANOL, 2-(2-(2-BUTOXYETHOXY)ETHOXY)-/TRIETHYLENE GLYCOL
MONOBUTYL ETHER

CAS:143-22-6

RTECS #:KJ9450000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:TRIETHYLENE GLYCOL MONOMETHYL ETHER

CAS:112-35-6

RTECS #:KL6390000

Fraction by Wt: 5-30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIE

THYLENE GLYCOL MONOETHYL ETHER

CAS:112-50-5

RTECS #:KK8950000

Fraction by Wt: 1-25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:3,6,9,12-TETRAOXAHEXADECAN-1-OL (TETRAETHYLENE GLYCOL
MONOBUTYL ETHER)

CAS:1559-34-8

Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYETHYLENE GLYCOL

CAS:25322-68-3

RTECS #:TQ3500000

Other REC Limits:NONE RECOMMENDED

Ingred Name:METHOXPOLY(ETHYLENE GLYCOL)

CAS:9004-74-4

RTECS #:PE8263000

Fraction by Wt: 1.3-9.6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:

3,6,9,12-TETRAOXATETRADECANE-1,14-DIOL

CAS:4792-15-8

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 0-7%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL

CAS:111-46-6

RTECS #:ID5950000

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER

CAS:111-77-3

RTECS #:KL6125000

Fraction by Wt: 0-5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOETHYL ETHER

CAS

:111-90-0

RTECS #:KK8750000

Fraction by Wt: 0-5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:..ALPHA.-ETHYL-.OMEGA.-HYDOXY-POLY(OXY-12-ETHANEDIYL)

CAS:27879-07-8

Other REC Limits:NONE RECOMMENDED

Ingred Name:TETRAETHYLENE GLYCOL

CAS:112-60-7

RTECS #:XC2100000

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====

LD50 LC50 Mixture:ACUTE ORAL LD50 (RAT) 6.6 G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity

:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE SEVERE TO MODERATE EYE IRRITATION AND TRANSIENT CORNEAL INJURY. SLIGHTLY IRRITATING TO THE SKIN WITH PROLONGED CONTACT. INGESTION MAY PRODUCE CENTRAL NERVOUS SYSTEM AND GASTROINTESTINAL DISTURBANCES. DUE TO LOW VAPOR PRESSURE EXPOSURE BY INHALATION IS MINIMAL UNDER NORMAL HANDLING PROCEDURES.

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, TRANSIENT CORNEAL DAMAGE. SKIN:MILD IRRITATION. INGESTION:G/I &/OR CNS DISTURBANCES. INHALATION: RESPIRATORY IRRITATION IF MIST IS INHALED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IF ANY IRRITATION PERSISTS OR SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATE

R. REMOVE

CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM CONTAMINATED AREA. AID OR RESTORE BREATHING AS NEEDED. INGESTED:NOTHING BY MOUTH IF UNCONSCIOUS. GIVE SEVERAL GLASSES OF WATER & INDUCE VOMITING. KEEP AIRWAY CLEAR. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:PMCC

Flash Point:>250F,>121C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE WATER SPRAY, FOAM, CARBON DIOXIDE, DRY

CHEMICAL. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. WEAR FULL PROTECTIVE CLOTHING & SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MEASURES DURING CLEANUP. CONTAIN SPILL. PREVENT LIQUID FROM ENTERING

SEWERS, WATERWAYS OR LOW AREAS. RECOVER LIQUID FOR REUSE OR RECLAMATION. CONSULT APPROPRIATE AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR AND MIST. STORE IN A COOL, DRY, WELL VENTILATED AREA. PREVENT CONTACT WITH OXIDIZERS.

Other Precautions:KEEP AWAY FROM HEAT AND FLAME. KEEP CONTAINERS TIGHTLY

CLOSED. KEEP CONTAINERS TIGHTLY CLOSED.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR IN ACCORDANCE WITH 29 CFR 1910.134 TO PREVENT EXPOSURE.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED TO CONTROL VAPORS, MISTS OR SPRAY.

Protective Gloves:BUTYL RUBBER, PVC

Eye Protection:CHEMICAL SAFETY 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

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:>450F,>232C

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