

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

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

Product ID:DOT 3 BRAKE FLUID

MSDS Date:07/08/1994

FSC:9150

NIIN:00-190-0932

MSDS Number: CBQDW

=== 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: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:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

ZIP:75244-6198

Country:US

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

CAGE:0AH54

===== Composition/Information on Ingredients

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

CAS:143-22-6

RTECS #:KJ9450000

Fraction by Wt: 15-40%

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:TRIETHYLENE 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:D

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:.ALPH

A.-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 =====  
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LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:\*\*TARGET-ORGANS:EYES, SKIN, G/I

TRACT\*\* ACUTE-EYE:SEVERE TO MODERATE IRRITATION, TRANSIENT CORNEAL INJURY. SKIN:SLIGHT IRRITATION W/PROLONGED CONTACT. INGESTION:CNS & G/I DISTURBANCES. INHALATION:UNLIKELY. MIST MAY CAUSE RESPIRATORY IRRITATION. CHRONIC-PROLONGED &/OR REPEATED INHALATION OR INGESTION MAY CAUSE INJURY.

Explanation of Carcinogenicity:ANIMAL STUDIES INDICATE THAT ONE COMPONENT MAY CAUSE REPRODUCTIVE EFFECTS.

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:MFR GAVE NO INFORMATION OF MSDS..

===== 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 & WATER. 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

Autoignition Temp:Autoignition Temp Text:590F

Lower Limits:ND

Upper Limits:ND

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 KNOWN.

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

Spill Release Procedures:DO NOT FLUSH TO SEWER. WEAR PROTECTIVE EQUIPMENT. DIKE AREA & CONTAIN SPILL. PREVENT LIQUID FROM ENTERING SEWERS & WATERWAYS. RECOVER LIQUID FOR REUSE OR RECLAMATION. RECOVER REMAINDER W/ABSORBENT & PLACE IN APPROVED CONTAINERS FOR DISPOSAL.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP AWAY FROM OXIDANTS & IGNITION SOURCES. AVOID HEATINE OR AERATION.

Other Precautions:AVOID CONTACT W/EYES, SKIN, CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT CONSUME FOOD, DRINK OR TOBACCO PRODUCTS WHERE THEY MAY BE CONTAMINATED.

TAMINATED W/THIS MATERIAL. KEEP CLOSED WHEN  
NOT IN USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. USE AIR  
PURIFYING W/ORGANIC CARTRIDGE OR AIR SUPPLIED IF CARTRIDGES PROVIDE  
INADEQUATE PROTECTION. FOR EMERGENCIES & UNKNOWN CONCENTRATIONS USE  
SELF-CONTAINED BREAT HING APPARATUS. COMPLY W/29CFR1910.134.

Ventilation:USE LOCAL EXHAUST TO CONTROL VAPORS, MISTS OR SPRAY.

Protective Gloves:CHEMICAL RE  
SISTANT (BUTYL OR PVC COATED)

Eye Protection:SPLASH-PROOF GOGGLES OR FACE SHIELD

Other Protective Equipment:EMERGENCY EYEWASH FOUNTAIN & SAFETY SHOWERS  
AVAILABLE IN THE VICINITY.

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS.

Supplemental Safety and Health

DO NOT STORE IN OPEN, UNLABELED OR MIS-LABELED CONTAINERS. "EMPTY"  
CONTAINERS RETAIN RESIDUE & VAPORS. HANDLE THEM AS THOUGH FULL.

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

HCC:V6

NRC/State Lic Nu

m:NONE

Boiling Pt:B.P. Text:>613F,>323C

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