

OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM -- DOT 3 BRAKE FLUID --
9150-01-052-6762

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

Product ID:DOT 3 BRAKE FLUID

MSDS Date:07/08/1994

FSC:9150

NIIN:01-052-6762

MSDS Number: CBTDD

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:

US

Info Phone Num:800-752-5151

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

CAGE:4R332

=== 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 CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Phone:716-278-7021

CAGE:4R332

===== Composi

tion/Information on Ingredients =====

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

Fr

action by Wt: 1 - 25%

Other REC Limits:NONE RECOMMENDED

Ingred Name: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)/POLYETHYLENE GLYCOL MONOMETHYL
ETHER

CAS:9004-74-4

RTECS #:PE8263000

Fraction by Wt: 1.3-9.6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PENTAETHYLENE GLYCOL

CAS:4792-15-8

RTECS #:RZ2670000

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%

Othe

r REC Limits:NONE RECOMMENDED

Ingred Name:POLYETHYLENE GLYCOL MONOETHYL ETHER

CAS:27879-07-8

Other REC Limits:NONE RECOMMENDED

Ingred Name:TETRAETHYLENE GLYCOL

CAS:112-60-7

RTECS #:XC2100000

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGA

NS:EYE, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- EYES/SKIN:MAY CAUSE IRRITATION. CAN
BE ABSORBED THROUGH SKIN IF NOT REMOVED PROMPTLY. INHALE:MIST MAY
CAUSE RESPIRATORY IRRITATION. ORAL:MAY CAUSE GI TRACT & CNS
DISTURBANCES. CHRONIC- MAY CAUSE CENTRAL NERVOUS SYSTEM, GI
DISTURBANCES & REPRODUCTIVE EFFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, NAUSEA, VOMITING,
DIZZINESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EX
ISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY
BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures
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First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH COLD
WATER, THEN WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR.
PROVIDE CP R/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER &
INDUCE VO
MITING. CALL A PHYSICIAN/POISON CONTROL CENTER
IMMEDIATELY. NEVER GIVE FLUID/INDUCE VOMITING IF PATIENT IS
UNCONSCIOUS OR HAS CONVULSIONS.

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Fire Fighting Measures
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Flash Point Method:PMCC
Flash Point:>250F,>121C
Autoignition Temp:Autoignition Temp Text:590F
Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE (CO2), ALCOHOL FOAM
OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:DO NOT ENTER ANY ENCL
OSED OR CONFINED AREA
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.

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Accidental Release Measures
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. PICK UP SPILL WITH
INERT MATERIAL SUCH AS SAND, CLAY, EARTH. SHOVEL INTO CONTAINERS
FOR DISPOSAL. PREVENT RUN-OFF TO ENTER WATERWAYS, SEWERS.
Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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Handl

ing and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE
AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.
Other Precautions:AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY
AFTER HANDLING. LAUNDRER CLOTHING BEFORE REUSE. AVOID INHALING
MISTS. EMPTY CONTAINERS OF THIS PRODUCT WILL RETAIN PRODUCT
RESIDUE. DO NOT TAKE INTERNALLY. DO NOT CONSUME FOOD NEAR PRODUCT.

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

Respiratory Protection:NON
E NORMALLY REQUIRED. IF WORKING IN CONFINED
AREAS, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES
EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR
NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.
Ventilation:GENERAL ROOM VENTILATION SHOULD BE SUFFICIENT.
Protective Gloves:NITRILES IF PROLONGED/REPEATED CONTACT
Eye Protection:SAFETY GOGGLES IF SPLASHING ANTICIPATED
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APPROPRIATE
PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DISCARD CONTAMINATED LEATHER GLOVES AND
SHOES.
Supplemental Safety and Health

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

HCC:B3
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:>450F,>232C
Melt/Freeze Pt:M.P/F.P Text: