

CHEVRON INTERNATIONAL OIL CORP INC -- OS-59 DIELECTRIC HEAT TRANSFER FLUID --
9160-00-943-4691

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

Product ID:OS-59 DIELECTRIC HEAT TRANSFER FLUID

MSDS Date:03/27/1992

FSC:9160

NIIN:00-943-4691

MSDS Number: BPVPS

=== Responsible Party ===

Company Name:CHEVRON INTERNATIONAL OIL CORP INC

Address:555 MARKET ST

City:SAN FRANCISCO

State:CA

ZIP:94105-2870

Country:US

Info P

hone Num:415-894-2858

Emergency Phone Num:415-894-2858

CAGE:2H740

=== Contractor Identification ===

Company Name:CHEVRON PRODUCTS CO GLOBAL LUBRICANTS

Address:555 MARKET STREET ROOM 803

Box:City:SAN FRANCISCO

State:CA

ZIP:94105-2870

Country:US

Phone:800-228-3500/415-894-0703

CAGE:2H740

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

Ingred Name:ORHANOSILICATE ESTERS

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ADDITIVES

Fraction by Wt: 5.0 G/KG

Rout

es of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES-NOT EXPECTED TO CAUSE
PROLONGED/SIGNIFICANT EYE IRRITATION. SKIN-MODERATE SKIN IRRITANT.
INHALATION/INGESTION-IF INHALED OR SWALLOWED, THIS SUBSTANCE IS
CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORGANS.
Explanation of Carcinogenicity:NOT CARCINOGENIC TO HUMANS.
Effects of Overexposure:SKIN-SIGNS & SYMPTOMS MAY INCLUDE PAIN OR A
FEELING OF
HEAT, DISCOLORATION,SWELLING AND BLISTERING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE-NO FIRST AID REQUIRED. HOWEVER, FLUSH EYES WITH WATER.
REMOVE CONTACT LENSES. SKIN-REMOVE CONTAMINATED CLOTHING. WASH
SKIN WITH SOAP & WATER. SEE DOCTOR. INHALATION-NOT EXPECTED TO BE
AN IMMEDIATE INHALATION PROBLEM, NO FIRST AID REQUIRED.
INGESTION-NOT EXPECTED TO BE AN INGESTION
PROBLEM, NO FIRST AID
REQUIRED.

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

Flash Point Method:COC
Flash Point:435F,224C
Autoignition Temp:Autoignition Temp Text:232C
Lower Limits:NDA
Upper Limits:NDA
Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE OR
ANY CLASS B EXTINGUISHING AGENT.
Fire Fighting Procedures:FOR FIRES INVOLVING THIS MATERIAL, DO NOT
ENTER ANY ENCLOSED/CONFINED SPACES WITHOUT PROPER PROTECTIVE
EQUIPMENT, INCLUDING SELF-
CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:NORMAL COMBUSTION FORMS CARBON DIOXIDE,
WATER VAPOR & MAY PRODUCE CARBON MONOXIDE &/OR LOW MOLECULAR
WEIGHT HYDROCARBONS. HEATING MAY PRODUCE SILICATE ESTERS.

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

Spill Release Procedures:COVER SPILL WITH A GENEROUS AMOUNT OF
ABSORBENT CLAY OR LOAM SOIL. USE A STIFF BROOM TO MIX THOROUGHLY.
SWEEP UP AND PLACE IN A DISPOSABLE CONTAINER. SCRUB CONTAMINATED

ED

AREA WITH DETERGENT & WATER USING A STIFF BROOM. PUT LIQUID IN A CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING MATERIALS.

Other Precautions:READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

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

Respiratory Protection:IF OPERATING CONDITIONS RESULT IN AIRBORNE MISTS OR VAPORS OF THIS MATERIAL, THE USE OF AN APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation:NO SPECIAL VENTILATION IS USUALLY NECESSARY.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:NO SPECIAL EYE PROTECTION.

Other Protective Equipment:SKIN CONTACT SHOULD BE MINIMIZED BY WEARING PROTECTIVE CLOTHING. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental

Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES.

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

HCC:N1

Boiling Pt:B.P. Text:>698F,>370C

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

Decomp Temp:Decomp Text:NDA

Vapor Pres: