

EXXON CO,USA,A DIV OF EXXON CORP -- COOLANOL 20 DIELECTRIC HEAT TRANSFER FLUID --
9160-00-881-8280

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

Product ID:COOLANOL 20 DIELECTRIC HEAT TRANSFER FLUID

MSDS Date:01/24/1997

FSC:9160

NIIN:00-881-8280

MSDS Number: CGMGV

=== Responsible Party ===

Company Name:EXXON CO,USA,A DIV OF EXXON CORP

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Info Phone Num:7

13-656-5949

Emergency Phone Num:713-656-3424

CAGE:MO147

=== Contractor Identification ===

Company Name:EXXON CO,USA,A DIV OF EXXON CORP

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City:HOUSTON

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Company Name:EXXON COMPANY U.S.A.

Address:Box:2180

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ZIP:77252-2180

Country:US

Phone:713-656-5949 / 713-656-3424

CAGE:29700

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

Ingred Name:ORGANOSILICATE ESTER [THIS PRODUCT, AS MANUFACTURE

D BY

EXXON, DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS (PCB'S)].

RTECS #:9999999ZZ

Fraction by Wt: >99%

Other REC Limits:5 MG/M3,OIL MIST/8HR

OSHA PEL:10 MG/M3 STEL

ACGIH TLV:10 MG/M3 STEL

Ingred Name:PROPRIETARY ADDITIVES

RTECS #:9999999ZZ

Fraction by Wt: 5 G/KG.

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

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

Health Hazards Acute and Chronic:EYES: CONTACT MAY CAUSE IRRITATION.

SKIN: PROLONGED CONTACT WILL CAUSE IRRITATION. I

NHALATION: VAPOR

PRESS IS VERY LOW. INHALATION OF VAPOR UNDER AMBIENT CONDITIONS IS NORMALLY NOT A PROBLEM. INHALING OIL MISTS MAY CAUSE RESPIRATORY TRACT IRRITATION. INGESTION: PRODUCT HAS LOW ORDER OF ACUTE ORAL/DERMAL TOXICITY.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION. INHALATION: RESPIRATORY IRRITATION. ORAL: PRODUCT HAS LOW ORDER OF ACUTE ORAL TOXICITY.

Medical Cond Aggravated by Exposure:NONE RECOGNIZED.

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First Aid Measures
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. IF PRODUCT INJECTED UNDER SKIN, IMMEDIATELY GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING.GET MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point Method:COC

Flash Point:230F,110C

Autoignition Temp:Autoignition Temp Text:550F

Extinguishing Media:FOAM, WATER SPRAY(FOG), DRY CHEMICAL, CARBON DIOXIDE, AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS.

Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. USE SCBA FOR ENCLOSED/CONFINED SPACES. WATER S

PRAY MAY BE

USED TO FLUSH SPILLS AWAY FROM EXPOSURES.

Unusual Fire/Explosion Hazard:IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP A LEAK.

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

Spill Release Procedures:RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER SUITABLE ABSORBENT TO SPILL AREA. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, EXTENSIVE LAND AREAS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED. DO NOT STORE NEAR HEAT, SPARKS, FLAME, STRONG OXIDANTS. NO SMOKING OR USE OF FLAME OR OTHER IGNITION SOURCES.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID/VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, SOURCES OF IGNITION ;THEY MAY EXPLODE AND CAUSE INJURY/DEATH.

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

Respiratory Protection:IF NEEDED, USE NIOSH APPROVED SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES.

Ventilation:PROVIDE ADEQUATE VENTILATION TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS.

Protect

ive Gloves:USE CHEMICAL-RESISTANT GLOVES.

Eye Protection:SPLASH GOGGLES OR FACE SHIELD IF NEEDED.

Other Protective Equipment:USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

DO NOT ATTEMPT TO CLEAN "EMPTY" CONTAINERS SINCE RESIDUE IS DIFFICULT TO REMOVE. "E

MPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

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

HCC:N1

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

Vapor Pres:0.017 PSIA

Spec Gravity:0.884 TO 0.890

Solubility in Water:VERY LOW

Appearance and Odor:CLEAR,LIGHT AMBER LIQUID. MILD SWEET ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE, ETC.

Stability Condition to Avoid:AVOID TEMPERATURES ABOVE 300F.

Hazardous Decomposition Products:FUMES, SMOKE, CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES, SILICATE ESTERS AND OTHER DECOMPOSITION PRODUCTS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN AN APPROVED INCINERATOR IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS; MANUFACTURER SPECIFIED THIS MATERIAL SHOULD NOT BE DUMPED, SPILLED, RINSED, WASHED INTO SEWERS, PUBLIC WATERWAYS, OR EXTENSIVE LAND AREAS.

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