

CHEVRON CHEMICAL CO AGRICULTURAL CHEMICAL DIV -- COOLANOL 25R DIELECTRIC
TRANSFER FLUID -- 9160-00-965-2376

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Product Identification
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Product ID:COOLANOL 25R DIELECTRIC TRANSFER FLUID

MSDS Date:03/14/1995

FSC:9160

NIIN:00-965-2376

MSDS Number: CCSTZ

=== Responsible Party ===

Company Name:CHEVRON CHEMICAL CO AGRICULTURAL CHEMICAL DIV

Address:575 MARKET ST

Box:3744

City:SAN FRANCISCO

State

:CA

ZIP:94119

Country:US

Info Phone Num:415-233-3737

Emergency Phone Num:415-233-3737

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

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Composition/Information on Ingredients
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Ingred Name:ORGANOSILICATE ESTER

Fraction by Wt: >99.0%

Other REC Limits:NONE DETERMINED

Ingred Name:ADDITIVES

Fraction by Wt: 7.94 G/KG

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

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

Health Hazards Acute and Chronic:EYES-SLIGHTLY IRRITATING TO EYES & COULD CAUSE PROLONGED IMPAIRMENT OF VISION. SKIN-MODERATE SKIN IRRITANT. INGESTION-CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORGANS. INHALATION-CONSIDERED PRACTICALLY NON-TOXIC TO INTERNAL ORGANS.

Effects of Overexposure:EYES-MAY INCLUDE PAIN, TENDRITIS, REDNESS AND BLURRED VISION.

SKIN-MAY INCLUDE PAIN OR A FEELING OF HEAT, DISCOLORATION, SWELLING AND BLISTERING.

Medical Conditions Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH EYES IMMEDIATELY WITH FRESH WATER FOR 15 MIN. IF IRRITATION PERSISTS, SEE A DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. SEE A DOCTOR IF SYMPTOMS OCCUR. INGESTION : NO FIRST AID ARE REQUIRED. INHALATION: SINCE

THIS MATERIAL IS NOT EXPECTED TO BE AN INHALATION PROBLEM, NO FIRST AID PROCEDURES ARE REQUIRED.

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

Flash Point Method:COC

Flash Point:350F,177C

Autoignition Temp:Autoignition Temp Text:480F

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, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE

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.

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

Spill Release Procedures:COVER SPILL WITH AN ABSORBENT CLAY OR LIME SOIL. USE A STIFF BROOM TO MIX THOROUGHLY. SWEEP UP & PLACE IN A DISPOSABLE CONTAINER.

BLE CONTAINER. SCRUB AREA WITH DETERGENT & WATER USING A STIFF BROOM. PICK UP LIQUID WITH ADDITIONAL ABSORBENT & PLACE IN CONTAINER.

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING MATERIALS. DO NOT WELD, HEAT OR DRILL CONTAINER. REPLACE CAP OR BUNG.

Other Precautions:EMPTIED CONTAINER STILL CONTAIN HAZARDOUS MATERIAL WHICH MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY. CA

UTION! DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM MAY RUPTURE WITH EXPLOSIVE FORCE.

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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. HOWEVER, IF HIGH AIRBORNE CONCEN. IS CREATED, SPECIAL VENTILATION IS NEEDED

Protective Gloves:NO SPECIAL SKIN PROTECTION IS NECESSARY.

Eye Protection:NO SPECIAL EYE PROTECTION IS NECESSARY.

Other Protective Equipment:SKIN CONTACT CAN BE MINIMIZED BY WEARING PROTECTIVE CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

READ THE ENTIRE DOCUMENT AND LABEL BEFORE USING THIS PRODUCT.

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

HCC:N1

Boiling Pt:B.P. Text:NDA

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

Decomp Temp:Decomp Text:NDA

Vapor Pres:0.009

Vapor Densit

y:17

Spec Gravity:0.889-

pH:NDA

Viscosity:6.1-6.7 CST

Evaporation Rate & Reference:NDA

Solubility in Water:VERY LOW SOLUBILITY

Appearance and Odor:CLEAR, LIQUID WITH A MILD, SWEET ODOR.

Percent Volatiles by Volume:NDA

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

Stability Indicator/Materials to Avoid:YES

MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Stability Condition to Avoid:AVOID CONTACT WITH WATER AT HIGH TEMPERATUR

E.

Hazardous Decomposition Products:PRODUCTS OF DECOMPOSITION MAY INCLUDE SILICON DIOXIDE.

Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

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

Waste Disposal Methods:PLACE CONTAMINATED MATERIAL IN DISPOSABLE CONTAINER & DISPOSE OF IN A MANNER CONSISTANT WITH APPLICABLE REGULATIONS. CONTACT LOCAL ENVIRONMENTAL OR HEALTH AUTHOROTIES FOR APPROVED DISPOSAL OF THIS MAT ERIAL.

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