

UNION OIL CO OF CALIFORNIA UNION CHEMICALS DIV -- MIL-C-7024C, CALIBRATING FLUID TYPE II
-- 6850-00-269-8388

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

Product ID:MIL-C-7024C, CALIBRATING FLUID TYPE II

MSDS Date:12/01/1989

FSC:6850

NIIN:00-269-8388

MSDS Number: BPWXC

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA UNION CHEMICALS DIV

Address:1900 E GOLF ROAD

City:SCHAUMBURG

State:IL

ZIP:

60194-5021

Country:US

Info Phone Num:312-885-5450

Emergency Phone Num:800-424-9300(TRAN)800-356-3129(MED)

CAGE:DO716

=== Contractor Identification ===

Company Name:UNI-KEM INTERNATIONAL

Address:1001 HARIMAW COURT EAST

Box:City:METAIRIE

State:LA

ZIP:70001

Country:US

Phone:504-835-7600/FAX:504-835-7608

CAGE:4S446

Company Name:UNION OIL CO OF CALIF;UNION CHEMICAL DIV

Address:1345 NORTH MEACHAM ROAD

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Phone:312-885-5450

CAGE:DO716

Company Name:UNOCAL CHEMI

CALS DIV.,UNION OIL OF CALIFORNIA
Address:1345 N MEACHAM
Box:City:SCHAUMBURG
State:IL
ZIP:60196
Phone:312-490-2500/800-424-9300(CHEMTREC)
CAGE:94684

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Composition/Information on Ingredients
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Ingred Name:HYDROTREATED HEAVY NAPHTHA
CAS:64742-48-9
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Haza

rd s Acute and Chronic:EYE-THIS MATERIAL MAY CAUSE MILD EYE
IRRITATION. SKIN-THIS MATERIAL MAY CAUSE MILD SKIN IRRITATION.
INHALATION-BREATHING HIGH CONCENTRATIONS OF VAPORS MAY CAUSE
IRRITATION OF THE NOSE & THROAT & SIGNS OF NERVOUS SYSTEM
DEPRESSION. INGESTION-INGESTION OF EXCESSIVE AMOUNTS MAY CAUSE
IRRITATION OF THE DIGESTIVE TRACT.

Explanation of Carcinogenicity:THIS MATERIAL HAS NOT BEEN IDENTIFIED AS
A CARCINOGEN BY NTP, IARC OR OSHA. INTENTIONAL MISUSE MAY BE

HARMFUL OR FATAL.

Effects of Overexposure:EYE-MAY CAUSE STINGING, TEARING & REDNESS.
SKIN-REDNESS, BURNING & DRYING & CRACKING OF THE SKIN.
INHALATION-HEADACHE, DROWSINESS, DIZZINESS , LOSS OF COORDINATION
AND FATIGUE. INGESTION-HEADACHE, DRO WSINESS, DIZZINESS, LOSS OF
COORDINATION & FATIGUE. ASPIRATION HAZARD - CAN CAUSE LUNG
INFLAMMATION & DAMAGE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS & LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSUR
E TO THIS
MATERIAL.

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First Aid Measures
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First Aid:EYE-MOVE VICTIM AWAY FROM EXPOSURE & INTO FRESH AIR. FLUSH
EYES WITH CLEAN WATER. SKIN-REMOVE CONTAMINATED ARTICLES & CLEANSE
AFFECTED AREA(S) WITH MILD SOAP & WATER. INHALATION-MOVE VICTIM
AWAY FROM EXPOSURE & INTO FRESH AIR. IF NOT BREATHING, PERFORM
CPR. IF HARD TO BREATH, GIVE OXYGEN. SEE PHYSICIAN.
INGESTION-ASPIRATION HAZARD. DO NOT INDUCE VOMITING. SEEK MEDICAL

ATTENTION.

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

Flash Point Method:TCC

Flash Point:104F,40C

Lower Limits:0.8

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, FOAM OR WATER
SPRAY RECOMMENDED.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. USE
WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND TO DISPERSE THE
VAPORS. AVOID SPREADING BURNING LIQUID WITH WATER.

Unusual Fire/Explosion Hazard:THIS MATERIAL IS COMBUSTIBLE AND MAY BE

IGNITED BY HEAT OR FLAME. THIS MATERIAL WILL BURN, BUT WILL NOT
IGNITE READILY. VAPORS MAY TRAVEL & FLASHBACK OR EXPLODE

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

Spill Release Procedures:COMBUSTIBLE. KEEP AWAY FROM IGNITION SOURCES.
STAY UPWIND. ISOLATE AREA. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AS
WARRANTED. SPILLED AMTERIAL MAY BE ABSORBED INTO AN APPROPRIATE
ABSORBENT MATERIAL. NOTI FY AUTHORITIES. KEEP SPILL AWAY FROM
DRAINS, ETC.

Neutrality Agent:NONE

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. USE &
STORE THIS MATERIAL IN COOL, DRY, WELL, VENTLATED AREA AWAY FROM
HEAT & ALL IGNITION SOURCES.

Other Precautions:POST ARE "NO SMOKING OR OPEN FLAMES". BOND & GROUND
ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL TO ANOTHER. STORE
ONLY IN APPROVED CONTAINERS. PROTECT CONTAINERS AGINST PHYSICAL
DAMAGE. USE EXPLOS ION-PROOF E
QUIPMENT.

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

Respiratory Protection:THE USE OF RESPIRATORY PROTECTION IS ADVISED
WHEN CONCENTRATIONS EXCEED ESTABLISHED EXPOSURE LIMITS. DEPENDING
ON THE CONCENTRATION, USE A RESPIRATOR OR GAS MASK WITH APPROPRIATE
CARTRIDGES & CANNISTER OR SUPPLIED AIR EQUIPMENT.

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN
PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:U

SE IMPERMEABLE GLOVES.

Eye Protection:USE APPROVED EYE PROTECTION.

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.

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

Supplemental Safety and Health

CAUTION! COMBUSTIBLE. ASPIRATION HAZARD IF SWALLOWED. CAN ENTER THE LUNGS & CAUSE DAMAGE. KEEP AWAY FROM IGNITION SOURCES. DO NOT TASTE

OR SWALLOW.

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

HCC:F4

Boiling Pt:B.P. Text:428F,220C

Vapor Pres:2.9

Vapor Density:4.9

Spec Gravity:0.772

Evaporation Rate & Reference:0.21 (N-BUTYL ACETATE=1)

Solubility in Water: