

CALUMET REFINING CO DIV OF CALUMENT INDUSTRIES INC -- HYDROCAL 60-30 --
9160-00-685-0914

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

Product ID:HYDROCAL 60-30

MSDS Date:03/01/1988

FSC:9160

NIIN:00-685-0914

MSDS Number: BJYJF

=== Responsible Party ===

Company Name:CALUMET REFINING CO DIV OF CALUMENT INDUSTRIES INC

Address:14000 MACKINAW AVENUE

City:CHICAGO

State:IL

ZIP:60633

Country:US

Emergency Phone Num:

312-862-9100

Preparer's Name:C. J. LAPINSKE

CAGE:69487

=== Contractor Identification ===

Company Name:CALUMET REFINING CO DIV OF CALUMENT INDUSTRIES INC

Address:HC 62

Box:460

City:PRINCETON

State:LA

ZIP:71067

Country:US

Phone:318-949-2421

CAGE:69487

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

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT
NAPHTHENIC

CAS:64742-53-6

RTECS #:PY8036000

Fraction by Wt: 99.7%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:

5 MG/M3 (OIL MIST)

Ingred Name:PHENOL, 2,6-DI-TERT-BUTYL-

CAS:128-39-2

RTECS #:SK8265000

Fraction by Wt: 0.3%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS ESTIMATED AT >5 G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYES/SKIN: IRRITATION. AVOID BREATHING
OF MIST. PROLONGED OVEREXPOSURE MAY RESULT

IN DERMATITIS AND

RESPIRATORY DIFFICULTIES. ANIMAL STUDIES ALSO SHOW AN EFFECT ON
THE KIDNEYS FOR EXPOSURE TO MATERIALS SIMILAR TO THIS. AT HIGH
TEMPERATURES, ASPIRATION INTO THE LUNGS IS A HAZARD.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION OF EYES AND SKIN UPON CONTACT.

IRRITATION OF THE RESPIRATORY TRACT, HEADACHES, DIZZINESS,
ANESTHETIC EFFECT AND OTHER C

ENTRAL NERVOUS SYSTEM EFFECTS

INCLUDING DEATH IN RARE CASES. INGESTION MAY CAUSE CRAMPS AND
DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF EYE, SKIN
AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.

GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INHALATION:
REMOVE TO FRESH AIR. IF BREATH

ING IS IRREGULAR OR HAS STOPPED,

START RESUSCITATION AND ADMINISTER OXYGEN. GET MEDICAL HELP
IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL

ATTENTION AT ONCE. IN CASE OF SUBCUTANEOUS OR INTRAMUSCULAR
INJECTION, SEEK HELP AT ONCE.

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

Flash Point Method:TCC

Flash Point:>200F,>93C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL. WATER AND FOAM MAY CAUSE FROTHING AND SPATT

ERING.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES OF IGNITION, AND VENTILATE AREA AS REQUIRED . RECOVER FREE LIQUID.

ABSORB SMALL SPILL WITH INERT MATERIAL. PLACE WASTE IN DOT APPROVED CONTAINER FOR DISPOSAL. KEEP MATERIAL FROM WATERWAYS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:AVOID BREATHING OF MIST. MINIMIZE PERIODS OF

EXPOSURE TO HIGH TEMPERATURE. AVOID WATER CONTAMINATION.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves:RUBBER GLOVES OR OTHER OIL RESISTANT.

Eye Protection:SAFETY G

LASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USE AIR-SUPPLIED RESPIRATORY EQUIPMENT IF EXPOSED TO HOT FUMES. TREAT EMPTY CONTAINERS AS DANGEROUS; DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOL

DER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY. RESIDUE MAY BE DIFFICULT TO REMOVE.

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

HCC:N1

Boiling Pt:B.P. Text:350F,177C

Melt/Freeze Pt:M.P/F.P Text:-40F,-40C

Vapor Pres:5 AIR=1

Spec Gravity:0.9

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PALE STRAW TO YELLOW LIQUID

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS. NEVER PERMIT OIL TO GET IN AN OXYGEN REGULATOR.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE, ALDEHYDES AND KETONES, AND OTHER COMBUSTION PRODUCTS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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