

CHEMICAL COMMODITIES AGENCY -- CALIBRATING FLUID -- 6850-00-656-0810

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Product Identification  
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Product ID:CALIBRATING FLUID

MSDS Date:11/18/1988

FSC:6850

NIIN:00-656-0810

MSDS Number: BJPLW

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGENCY

Address:27447 PACIFIC STREET

City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Info Phone Num:714-864-2310

Emergency Phone Num:714-864

-2310/800-424-9300(CHEMTREC)

Preparer's Name:C.A.EISENHARD, CHEMIST

CAGE:60777

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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Composition/Information on Ingredients  
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Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO  
CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO IRRITATION, HEADACHE,  
NAUSEA, DIZZINESS, FATIGUE, CONFUSION AND UNCONSCIOUSNESS. EYE: MAY  
LEAD TO IRRITATION. SKIN: MAY LE AD TO DERMATITIS. INGESTION: MAY  
LEAD TOVOMITING. CHRONIC: REPE  
ATED AND PROLONGED SKIN CONTACT MAY  
CAUSE DERMATITIS.  
Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT HAVE NOT  
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.  
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY  
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, UNCONSCIOUSNESS,  
DERMATITIS AND EYE IRRITATION. INHALATION OF HIGH CONCENTRATIONS  
MAY CAUSE UNCCONSCIOUSNESS AND DEATH.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISEASE,  
LIVER DISEASE, KIDNEY DISEASE, OR CHRONIC RESPIRATORY  
DISEASE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF HEPTANE.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.  
GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO  
FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION.  
EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING  
EYELIDS OPEN. GET MEDICAL  
ATTENTION. INGESTION: GET IMMEDIATE  
MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF  
UNCONSCIOUS.

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

Flash Point:106F,41C  
Lower Limits:1  
Upper Limits:7  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL. DO NOT USE A DIRECT WATER STREAM.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:AVOID ACCUMULATION OF WATER BECAUSE THIS PRODUCT WILL FLOAT ON WATER AND MAY RE-IGNITE ON THE SURFACE OF THE WATER. THIS PRODUCT IS EXTREMELY FLAMMABLE.

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

Spill Release Procedures:REMOVE PERSONNEL.EXTINGUISH IGNITION SOURCES.VENTILATE AREA.WEAR PROTECTIVE CLOTHING AND EQUIPMENT.USE NON-SPARKING TOOLS.CONTAIN SPILL.PUMP INTO APPROVED CONTAINERS,OR ABSORB IN NON-COMBUSTIBLE ABSORBENT AND PLACE IN APPROVED WASTE CONTAINERS.

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

Handling and Storage Precautions:STORE AT 50-70F.KEEP AWAY FROM HEAT AND IGNITION SOURCES.STORE IN A COOL,DRY,WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:ELECTRICALLY GROUND ALL EQUIPMENT.USE NON-SPARKING TOOLS.VENT CONTAINERS FREQUENTLY.KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.DO

NOT USE PRESSURE TO EMPTY CONTAINERS.DO NOT CUT,GRIND,WELD,OR DRILL ON OR NEAR THIS CONTAINER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:US

E CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:LONG-SLEEVED SHIRT,TROUSERS,SAFETY SHOES AND RUBBER APRON. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

CONTAINERS,EVEN THOSE THAT HAVE BEEN EMPTIED,WILL RETAIN PRODUCT RESIDUE AND VAPORS.ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL

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

HCC:F2

Boiling Pt:B.P. Text:205F,96C

Vapor Pres:50 @ 25C

Vapor Density:3.4

Spec Gravity:0.73

Evaporation Rate & Reference:5.8 (BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID. MILD PETROLEUM ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, OXIDIZING MATERIALS.

Stability Condition to Avoid:HIGH TEMPE

RATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION IN BLACK SMOKE.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND  
FEDERAL LAWS AND REGULATIONS. WASTE CONTAINERS CAN HAVE RESIDUES,  
AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

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