

CSA LIMITED, INC -- MIL-LUBE -- 9150-00-823-7860

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

Product ID:MIL-LUBE  
MSDS Date:05/31/1991  
FSC:9150  
NIIN:00-823-7860  
MSDS Number: BKBLN  
=== Responsible Party ===  
Company Name:CSA LIMITED, INC  
Address:16212 FM249  
Box:690347  
City:HOUSTON  
State:TX  
ZIP:77269-0347  
Country:US  
Info Phone Num:713-444-6454  
Emergency Phone Num:713-444-6454  
Preparer's Name:SIDNEY K. SAKSENB  
ERG  
CAGE:CSALI  
=== Contractor Identification ===  
Company Name:CSA LIMITED INC  
Address:16212 FM 249  
Box:690347  
City:HOUSTON  
State:TX  
ZIP:77269-0347  
Country:US  
Phone:713-444-6454  
CAGE:0J289  
Company Name:CSA LIMITED, INC.  
Box:690347  
City:HOUSTON  
State:TX  
ZIP:77269-0347  
Country:US  
Phone:713-444-6454  
CAGE:CSALI

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)  
CAS:71-55-6  
RTECS #:KJ2975000  
Fraction by Wt: 36%  
Other

REC Limits:NONE SPECIFIED  
OSHA PEL:350 PPM/450 STEL  
ACGIH TLV:350 PPM/450STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1  
RTECS #:KJ4000000  
Fraction by Wt: 36%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000PPM/1250STEL  
ACGIH TLV:1000PPM/1250STEL9192  
Ozone Depleting Chemical:1

Ingred Name:PROPANE/ISO-BUTANE/N-BUTANE MIXTURE (PROPELLANT)  
Fraction by Wt: 20%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE.

Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA

Effects of Overexposure:INHALATION:CAUSES RESPIRATORY TRACT IRRITATION,DIZZINESS,CNS DEPRESSION/DAMAGE. INGESTION:MAY CAUSE NAUSEA,VOMITING,AND DIARRHEA AND POSSIBLY UNCONSCIOUSNESS/DEATH. EYES/SKIN:CAUSES PAIN AND IRRITATION ON CONTACT.VAPORS MAY CAUSE TEARS/IRRITATION.PROLONGED/REPEATED CONTACT CAUSES IRRITATION AND LEAD TO DERMATITIS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE S

USCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL AT TENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE (AEROSOL)  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESP PROTECTION. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. STOP LEAK/RELEASE IF IT CAN BE DONE SAFELY.  
Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST OR EXPLODE IN HEAT OF FIRE. INTENSE HEAT MAY CAUSE DECOMPOSITION OF THE PRODUCT.

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

Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS. LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY. PROCEDURES ARE FOR THE LIQUID.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.  
Other Precautions:DO NOT USE WITH ALUMINUM. READ AND FOLLOW DIRECTIONS ON LABEL. DO NOT REUSE CONTAINERS.

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

Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR

OR LEVELS EXCEED 1000 PPM.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplemental Safety and Health

ITEM I

S AEROSOL CAN. SAFETY AND HEALTH DATA ABOUT THE LIQUID IN THE CAN. PROPELLANT USED TO EXPEL LIQUID IS MIXTURE OF PROPANE, ISOBUTANE AND N-BUTANE.

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

HCC:V3

Boiling Pt:B.P. Text:110F,43C

Vapor Pres:300MMHG@77

Vapor Density:6

Spec Gravity:1.380

Evaporation Rate & Reference:0.1 (CCL4=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR COLORLESS LIQUID PACKED IN A PRESSURIZED CONTAINER, WITH AN ETHEREAL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

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

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, 1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND PHOSGENE FUMES.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL,S

TATE,LOCAL

REGULATIONS.EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO PRODUCT RESIDUE AND FLAMMABLE SOLVENT VAPOR.DECONTAMINATE CONTAINERS PRIOR TO DISPOSAL.DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.

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