

AEROSOL SYSTEMS INC -- CHAIN LUBE TM-1409 -- 9150-00N014036

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Product Identification  
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Product ID:CHAIN LUBE TM-1409  
MSDS Date:10/18/1988  
FSC:9150  
NIIN:00N014036  
MSDS Number: BKBTC  
=== Responsible Party ===  
Company Name:AEROSOL SYSTEMS INC  
Address:9150 VALLEY VIEW RD  
City:MACEDONIA  
State:OH  
ZIP:44056-2013  
Country:US  
Info Phone Num:216-467-4195  
Emergency Phone Num:216-476-4195  
CAGE:2F852

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Contractor Identification  
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Company Name:AEROSOL SYSTEMS INC  
Address:9150 VALLEY VIEW RD  
Box:City:MACEDONIA  
State:OH  
ZIP:44056-2013  
Country:US  
Phone:216-467-4195  
CAGE:2F852

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Composition/Information on Ingredients  
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Ingred Name:METHYLENE CHLORIDE (SARA III)  
CAS:75-09-2  
RTECS #:PA8050000  
Fraction by Wt: 9%  
OSHA PEL:500 PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:PROPANE  
CAS:74-98-6  
RTECS #:TX2275000  
Fraction by Wt: 8%  
OSHA PEL:1000 PPM  
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:ING 2:IS THE AVAILABLE OXYGEN. THE MINIMAL OXYGEN CONTENT  
SHOULD BE 18% BY VOLUME UNDER NORMAL ATM PRESSURE.

RTECS #:9999999ZZ

Ingred Name:PETROLEUM HYDROCARBON  
Fraction by Wt: 83%  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
 Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
 Health Hazards Acute and Chronic:MAY CAUSE DIZZINESS/NARCOSIS IN HIGH VAPOR CONCS. WILL CAUSE DEFATTING OF SKIN. EFFECTS ARE REVERSIBLE. LONG TERM EXPOSURE (YEARS) VAPOR MAY CAUSE LUNG, LIVER OR KIDNEY DAMAGE. SOLVENTS LISTED HAVE BEEN REPORTED TO AFFECT THE CENTRAL NERVOUS SYSTEM. METHYLENE CHLORIDE WILL HAVE AN EFFECT ON CARDIO VASCULAR SYSTEM.

Explanation of Carcinogenicity:METHANE/DICHLORO:IARC-GROUP 2B, NTP.  
 Effects of Overexposure:INHAL:DIFFICULTY IN BREATHING. SKIN:REDNESS. INGEST:VOMITING. CHLOROCARBON/ CHLOROFLUOROCARBON (CFC) MATLS HAVE PRODUCED SENSITIZATION OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE A SIMILAR EFFECT IN HUMANS. ADRENOMIMETICS (I.E.EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING (SEE SUPP DATA)

Medical Cond Aggravated by Exposure:HEART DISEASE, RESPIRATORY DISORDERS.

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 First Aid Measures  
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First Aid:INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O<sub>2</sub>/ARTF RESP) . INGEST:DO NOT INDUCE VOMITING. CALL MD. EYES:WASH W/WATER FOR AT LEAST 15 MINUTES. SKIN:WASH W/WATER.

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 Fire Fighting Measures  
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Flash Point Method:TCC  
 Flash Point:-40F,-40C  
 Lower Limits:1.8  
 Upper Limits:12.0  
 Extinguishing Media:USE WATER FOG, DRY CHEMICAL OR CARBON DIOXIDE.  
 Fire Fighting Procedures:AEROSOL CANS MAY RUPTURE WHEN HEATED. USE NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT .  
 Unusual Fire/Explosion Hazard:HEATED CANS MAY BURST. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE .

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 Accidental Release Measures  
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Spill Release Procedures:USE ABSORBENT SWEEPING COMPOUND TO SOAK UP MATERIAL. PUT INTO CONTAINER. DISPOSE AS HAZARDOUS WASTE.  
 Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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 Handling and Storage  
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Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAME. STORE AT TEMPERATURES BELOW 120F.  
 Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING, OPEN FLAMES, HOT SURFACES. HEAT &/OR UV RADIATION MAY CAUSE FORMATION OF HCL &/OR PHOSGENE .

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 Exposure Controls/Personal Protection  
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Respiratory Protection:IF TLV LIMIT EXCEEDED, USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.  
 Ventilation:LOCAL EXHAUST RECOMMENDED.  
 Protective Gloves:IMPERVIOUS GLOVES .  
 Eye Protection:CHEMICAL WORKERS GOGGLES .  
 Other Protective Equipment:LONG SLEEVES AND LONG PANTS.  
 Work Hygienic Practices:DO NOT SMOKE WHILE USING. WASH HANDS THOROUGHLY

AFTER USE & BEFORE EATING, SMOKING OR USING SANITARY FACILITIES .  
Supplemental Safety and Health  
EFFECTS OF OVEREXPOSURE IN HUMANS ACUTELY OR CHRONICALLY EXPOSED TO  
CHLOROCARBONS OR CFC'S.

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

HCC:F2  
Boiling Pt:B.P. Text:-40F,-40C  
Vapor Pres:35  
Vapor Density:4.0  
Spec Gravity:0.9  
Evaporation Rate & Reference:<1 (BUTYL ACETATE = 1)  
Solubility in Water:NIL  
Appearance and Odor:GREEN/SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid:YES  
METHYLENE CHLORIDE WILL REACT W/ACTIVE METALS. INCOMPATIBLE WITH STRONG  
OXIDIZERS.  
Stability Condition to Avoid:HIGH TEMPERATURE.  
Hazardous Decomposition Products:IN FIRE WILL DECOMPOSE TO WATER,  
CARBON DIOXIDE, HALOGEN ACIDS AND PHOSGENE.

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE I/A/W FEDERAL, STATE  
AND LOCAL REGULATIONS .

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