MILLER-STEPHENSON CHEMICAL INC -- MS-990/CO2 SAFEZONE SOLVENT FLUX REMOVER

MSDS Safety Information

FSC: 6850
NIIN: 00-419-5004
MSDS Date: 05/01/2000
MSDS Num: CDMMM
Product ID: MS-990/CO2 SAFEZONE SOLVENT FLUX REMOVER
MFN: 04
Responsible Party
Cage: 18598
Name: MILLER-STEPHENSON CHEMICAL CO INC.
Address: GEORGE WASHINGTON HIGHWAY
Box: 950
City: DANBURY CT 06810
Info Phone Number: 203-743-4447
Emergency Phone Number: 203-797-2212

Item Description Information

Item Manager: S9G
Item Name: CLEANING COMPOUND,SOLVENT
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: CN
Quantitative Expression: 00000000016OZ
UI Container Qty: G
Type of Container: IP.7B AEROSOL

Ingredients

Cas: 1717-00-6
RTECS #: KI0997000
Name: 1,1-DICHLORO-1-FLUOROETHANE (SARA 313)
Percent by Wt: 93.
Other REC Limits: 500PPM ALLIED SIGNAL
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Ozone Depleting Chemical: 2

Cas: 67-56-1
RTECS #: PC1400000
Name: METHANOL (SARA 313) (CERCLA)
Percent by Wt: 3.9
Other REC Limits: 200PPM ALLIED SIGNAL
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 75-52-5
RTECS #: PA9800000
Name: NITROMETHANE
Percent by Wt: .1
Other REC Limits: 100 PPM ALLIED SIGNAL
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
Cas: 124-38-9
RTECS #: FF6400000
Name: CARBON DIOXIDE
Percent by Wt: 3.
Other REC Limits: 5000 PPM ALLIED SIG
OSHA PEL: 5000 PPM
ACGIH TLV: 5000 PPM

Health Hazards Data

LD50 LC50 Mixture: NOT PROVIDED.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: INHALATION: AT LOW LEVEL OF CONCENTRATION INITIAL SYMPTOMS
MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONCENTRATION AND
IRRITATION. WITH HIGH EXPOSURE LEVELS: INTOXICATION, CARDIAC ARRHYTHMIA. PRODUCE VAPORS CAN CAUSE ASPHYXIATION ESPECIALLY IN CONFINED SPACES. SKIN:
DEFATTING CAN CAUSE IRRITATION. NO ABSORPTION TOXICITY DATA IS AVAILABLE.
EYE: IRRITANT: LIQUID CONTACT WILL IRRITATE EYES AND MAY CAUSE
CONJUNCTIVITIS. ORAL: SIMILAR SYMPTOMS AS FOR INHALATION. DISCOMFORT DUE TO THE VOLATILITY OF THE PRODUCT COULD BE EXPECTED. ALSO, IN SUFFICIENT QUANTITIES CAN CAUSE EYE DAMAGE INCLUDING BLINDNESS DUE TO METHANOL COMPONENT.

Explanation Of Carcinogenicity: NONE OF THE COMPONENTS IN THIS PRODUCT ARE LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Signs And Symptoms Of Overexposure: INHALATION: HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONCENTRATION AND IRRITATION. WITH HIGH EXPOSURE LEVELS:
INTOXICATION, CARDIAC ARRHYTHMIA. SKIN: DEFATTING CAN CAUSE IRRITATION. EYE:
IRRITANT: LIQUID CONTACT WILL IRRITATE EYES AND MAY CAUSE CONJUNCTIVITIS. ORAL: SIMILAR SYMPTOMS AS FOR INHALATION. DISCOMFORT DUE TO THE VOLATILITY OF THE PRODUCT COULD BE EXPECTED. ALSO, IN SUFFICIENT QUANTITIES CAN CAUSE EYE DAMAGE INCLUDING BLINDNESS DUE TO METHANOL COMPONENT.

Medical Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN AS NECESSARY IF A QUALIFIED OPERATOR IS AVAILABLE. DO NOT GIVE ADRENALINE. GET MEDICAL ATTENTION IMMEDIATELY. EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION. SKIN: WASH PROMPTLY WITH SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. ORAL: IF CONSCIOUS, INDUCE VOMITING IMMEDIATELY BY GIVING 2-4 GLASSES OF WATER AND TOUCHING FINGER TO BACK OF THROAT OR REMOVE CHEMICAL BY GASTRIC LAVAGE. DO NOT GIVE STIMULANTS. GET MEDICAL ATTENTION IMMEDIATELY.

Handling and Disposal

Spill Release Procedures: EVACUATE AND VENTILATE AREA. REMOVE POSSIBLE IGNITION SOURCES. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN/EYE PROTECTION SHOULD BE PERMITTED IN THIS AREA. DIKE SPILL, COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR DISPOSAL.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

Waste Disposal Methods: COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. DO NOT PUNCTURE OR INCINERATE CANS.

Handling And Storage Precautions: DO NOT STORE NEAR SOURCES OF HEAT, DIRECT SUNLIGHT OR WHERE TEMPERATURES EXCEED 120F/49C. ROTATE STOCK TO SHELF LIFE OF ONE YEAR.
Other Precautions: DO NOT USE IN POORLY VENTILATED OR CONFINED SPACES. AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. USE ONLY WITH ADEQUATE VENTILATION.

Fire and Explosion Hazard Information

Flash Point Method: TOC
Flash Point Text: NONE
Autoignition Temp Text: N/D
Lower Limits: 7.5
Upper Limits: 19.2
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR WATER SPRAY.
Fire Fighting Procedures: WEAR NIOSH APPROVED PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS (SCBA) FOR POSSIBLE EXPOSURE TO HYDROCHLORIC & HYDROFLUORIC ACIDS & PHOSGENE. USE WATER SPRAY TO KEEP CONTAINERS COOL.
Unusual Fire/Explosion Hazard: PRESSURIZED AEROSOL CONTAINERS AT ELEVATED TEMPERATURES MAY VENT, RUPTURE OR BURST AND ADD TO FLYING AND FALLING DEBRIS. DECOMPOSITION PRODUCTS CAN INCLUDE HYDROCHLORIC & HYDROFLUORIC ACIDS & CARBONYL HALIDES SUCH AS PHOSGENE.

Control Measures

Respiratory Protection: DO NOT USE IN POORLY VENTILATED OR CONFINED SPACES. USE ONLY WITH ADEQUATE VENTILATION.
Ventilation: WHERE VENTILATION IS INADEQUATE, USE LOCAL EXHAUST SYSTEM DESIGNED FOR FLAMMABLE GAS ATMOSPHERES TO REMOVE VAPORS.
Protective Gloves: NEOPRENE OR MYLAR GLOVES MAY BE USED
Eye Protection: CHEMICAL SPLASH GOGGLES MAY BE USED
Other Protective Equipment: NO DATA PROVIDED BY MANUFACTURER
Work Hygienic Practices: AVOID CONTACT WITH SKIN AND EYES. DO NOT USE IN POORLY VENTILATED OR CONFINED AREAS WITHOUT PROPER VENTILATION. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS.
Supplemental Safety and Health: NOTE TO PHYSICIAN: BECAUSE OF POSSIBLE DISTURBANCE OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS EPIHEPHRINE, SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE-THREATENING EMERGENCIES.

Physical/Chemical Properties

HCC: V2
Boiling Point: =-29.4C, 84.9F
Decomp Text: NOT DETERMINED
Vapor Pres: 558.36 MM HG AT 70F
Vapor Density: 4.0
Spec Gravity: 1.21
PH: NEUTRAL
Evaporation Rate & Reference: >1 (CCL4=1)
Solubility in Water: BELIEVED SLIGHT
Appearance and Odor: CLEAR, COLORLESS LIQUID, ETHEREAL ODOR. (INTERNAL PRESSURE= 194 PSIA)@130F
Percent Volatiles by Volume: 100 WT

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: SPARKS, HOT SPOTS, FLAMES.
Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS & ALKALIES, REACTIVE METALS (E.G.POWDERED ALUMINUM, SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, ZINC, MOLTEN ALUMINUM, BARIUM AND LITHIUM SHAVINGS).
Hazardous Decomposition Products: HYDROCHLORIC & HYDROFLUORIC ACIDS, & CARBONYL HALIDES SUCH AS PHOSGENE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: NO DATA PROVIDED BY MANUFACTURER

Ecological Information

Ecological: NO DATA PROVIDED BY MANUFACTURER

MSDS Transport Information

Transport Information: NO DATA PROVIDED BY MANUFACTURER
DLA-: DOMESTIC: CONSUMER COMMODITY, ORM-D. INTERNATIONAL: AEROSOLS, NON-FLAMMABLE GAS, 2.2 UN1950. DOT/IATA LABEL: NON-FLAMMABLE GAS.

Regulatory Information

Sara Title III Information: TOXIC CHEMICALS: YES (METHANOL ONLY). ACUTE HEALTH: YES, CHRONIC: YES.
Federal Regulatory Information: CERCLA HAZARDOUS SUBSTANCE: YES.
State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

Other Information

Other Information: NPCA- RATINGS: HEALTH-2; FLAMMABILITY-1; REACTIVITY-1; PERSONAL PROTECTIVE RATING TO BE SUPPLIED BY USER DEPENDING ON USE CONDITIONS. FOR FIRE/EXPLOSION METHOD: ASTM D-1310-87 AND ASTM D-56-82. DENSITY FOR PHYSICAL DATA IS 1.21 GM/CC AT 70F.

Transportation Information

DOT PSN Code: DTJ
Symbols: D
DOT Proper Shipping Name: CONSUMER COMMODITY
Hazard Class: ORM-D
Label: NONE
Non Bulk Pack: 156,306
Bulk Pack: NONE
Max Qty Pass: 30KG Gross
Max Qty Cargo: 30KG Gross
Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: AKD
IMO Proper Shipping Name: AEROSOLS o
IMDG Page Number: 2102
UN Number: 1950
UN Hazard Class: 2(T)
IMO Packaging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620

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Detail IATA Information
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IATA PSN Code: XXX

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Detail AFI Information
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AFI PSN Code: ANB
AFI Proper Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.
AFI PSN Modifier: ,(EACH NOT EXCEEDING 1L CAPACITY)
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1950
Special Provisions: P4
Back Pack Reference: A6.3

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HAZCOM Label
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Product ID: MS-990/CO2 SAFEZONE SOLVENT FLUX REMOVER
Cage: 18598
Company Name: MILLER-STEPHENSION CHEMICAL CO INC
Street: 55 BACKUS AVE/GEORGE WASHINGTON HWY
PO Box: 950
City: DANBURY CT
Zipcode: 06810
Health Emergency Phone: 203-797-2212
Label Required IND: Y
Date Of Label Review: 10/17/2001
Status Code: C
MFG Label NO: NONE
Label Date: 02/01/1999
Year Procured: 2001

Eye Protection IND: NO
Skin Protection IND: NO
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: EYES, SKIN, CNS, RESPIRATORY AND GI TRACTS (). INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF A QUALIFIED OPERATOR IS AVAILABLE. GET MEDICAL ATTENTION IMMEDIATELY. EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION. SKIN: WASH PROMPTLY WITH SOAP AND WATER FOR AT LEAST 15 MINUTES
WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. ORAL: IF CONSCIOUS, INDUCE VOMITING IMMEDIATELY BY GIVING 2-4 GLASSES OF WATER AND TOUCHING FINGER TO BACK OF THROAT OR REMOVE CHEMICAL BY GASTRIC LAVAGE. DO NOT GIVE STIMULANTS. GET MEDICAL ATTENTION IMMEDIATELY.

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