

AMERICAN WRITING INK CO. INC. -- O-T-620C METHYL CHLOROFORM -- 6810-00-930-6311
===== Product Identification =====

Product ID:O-T-620C METHYL CHLOROFORM
MSDS Date:12/01/1989
FSC:6810
NIIN:00-930-6311
MSDS Number: BJPFP
=== Responsible Party ===
Company Name:AMERICAN WRITING INK CO. INC.
Address:33 FARNSWORTH STREET
City:BOSTON
State:MA
ZIP:02210-1210
Country:US
Info Phone Num:617-482-9167
Emergen
cy Phone Num:617-482-9167
Preparer's Name:H. GILMORE
CAGE:82956
=== Contractor Identification ===
Company Name:AMERICAN INK AND OIL CORP
Address:33 ENDICOTT STREET
Box:City:NORWOOD
State:MA
ZIP:02062-3006
Country:US
Phone:781-762-0026 / FAX: 781-762-1617
CAGE:82956

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 96-98%
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:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 2-4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:N

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Health Hazards Acute and Chronic:CONTACT MAY CAUSE EYE IRRITATION WITH
TEMPORARY CORNEAL INJURY OR SKIN IRRITATION. MAY CAUSE RESPIRATORY
TRACT IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSANT, LOSS OF
CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE.
PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. MAY CAUSE
DRYING OR FLAKING.

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

Effects of Overexposure:INCOORDINATION AND
IMPAIRED JUDGMENT MAY OCCUR

AT VAPOR EXPOSURES FROM 500-1000 PPM. DIZZINESS, DROWSINESS, AND
GENERAL ANESTHETIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND
HIGHER.

Medical Cond Aggravated by Exposure:OVER EXPOSURE MAY CAUSE INCREASED
SENSITIVITY TO ADRENALINE. OVER EXPOSURE WITH AN INSUFFICIENT
SUPPLY OF OXYGEN MAY TEMPORARILY INCREASE CARDIAC IRRITABILITY.
SYMPTOMATIC AMINES MAY CAUSE ARRHYTHMIAS.

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

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First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, RESUSCITATE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. GIVE NOTHING BY MOUTH IF VICTIM IS UNCONSCIOUS.

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Fire Fighting Measures =====

Flash Point: NONE
Autoignition Temp: Autoignition Temp Text: 1033F
Lower Limits: 7.5
Upper Limits: 12.5
Extinguishing Media: USE WATER FOG
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: VAPORS MAY DEVELOP A FLAMMABLE ATMOSPHERE IN CONFINED OR POORLY-VENTILATED AREAS. CONTENTS OF CANS UNDER PRESSURE. MAY BURST IN HEAT OF FIRE.

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Accidental Release Measures =====

Spill Release Procedures: SMALL SPILL: WIPE UP WITH TOWELS OR MOP UP IMMEDIATELY. REMOVE TO OUT-OF-DOORS. 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/WATERWAY.
Neutralizing Agent: NONE

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Handling and Storage =====

Handling and Storage Precautions: STORE IN A COOL, DRY, AREA AWAY FROM DIRECT SUNLIGHT. DO NOT PUNCTURE OR INCINERATE CAN. CONTROL CONCENTRATIONS BELOW THE EXPOSURE GUIDELINE.
Other Precautions: USE WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS. LETHAL CONCENTRATIONS ARE UNLIKELY BUT POSSIBLE WITH POOR VENTILATION AND VERY HIGH CONCENTRATIONS. KEEP FROM REACH OF CHILDREN.

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Exposure Controls/Personal Protection =====

Respiratory Protection: IN H

IGH VAPOR AREA, USE NIOSH/MSHA APPROVED

RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV. USE MECHANICAL VENTILATION WHERE VAPORS MAY ACCUMULATE.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AF

TER USE AND BEFORE EATING,

SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES. BE SURE SPRAY POINT IS AWAY FROM FACE AND BODY. REPLACE VALVE CAP AFTER USE.

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

HCC:G1

Boiling Pt:B.P. Text:165F,74C

Melt/Freeze Pt:M.P/F.P Text:-23F,-31C

Decomp Temp:Decomp Text:>130F,>54C

Vapor Pres:100

Vapor Density:4.55

Spec Gravity:1.321

Evaporation R

ate & Reference:6.0 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID. MILD, CHLOROFORM-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

PROLONGED CONTACT WITH ALUMINUM AND RELATED ALLOYS. THIS CAN FORM HYDROCHLORIC ACID GAS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES AND WELDING ARCS WHICH INDUCE THERMAL DECOMPOSITION.

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, STATE & LOCAL

REGULATIONS. PREFERRED OPTION IS TO SEND TO LICENSED RECLAIMER. DO NOT PUNCTURE OR INCINERATE CAN.

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