

AMERICAN WRITING INK CO. INC. -- O-T-620C METHYL CHLOROFORM -- 7510-00-616-9588

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

Product ID:O-T-620C METHYL CHLOROFORM

MSDS Date:12/01/1989

FSC:7510

NIIN:00-616-9588

MSDS Number: BFJDF

=== Responsible Party ===

Company Name:AMERICAN WRITING INK CO. INC.

Address:33 ENDICOTT STREET

City:NORWOOD

State:MA

ZIP:02062

Country:US

Info Phone Num:617-762-0026

Emergency Pho

ne Num:617-762-0026

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/45

0 STEL
ACGIH TLV:350 PPM/450STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

=====
===== 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:NO
Health Hazards Acute and Chronic:CONTACT MAY CAUSE EYE IRRITATION WITH
TEMPORARY CORNEAL INJURY OR SKIN IRRITATION. MAY CAUSE RESPIRATORY
TRACT IRRITATION, C
ENTRAL 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.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING,
RESUSCITATE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A
PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH L
ARGE 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.

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

Flash Point:NONE
Lower Limits:7.5
Upper Limits:12.5
Extinguishing Media:USE WATER FOG
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FU

LL 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.

===== 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

===== 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.

===== 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 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 AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE 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:V2

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 Rate & 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liabilities.

ty for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.