

AMERICAN WRITING INK CO. INC. -- TYPE CLEANER, TYPE III, TECHNICAL -- 6810-00-930-6311

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Product Identification  
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Product ID:TYPE CLEANER, TYPE III, TECHNICAL  
MSDS Date:07/02/1990  
FSC:6810  
NIIN:00-930-6311  
MSDS Number: BRKJK  
=== 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 Phone Num:617-762-0026  
Preparer's Name:H LEVINSON  
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

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Composition/Information on Ingredients  
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Ingred Name:1,1,1-TRICHLOROETHANE (SARA III)  
CAS:71-55-6  
RTECS #:KJ2975000  
Fraction by Wt: 93-95%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:350 PPM  
ACGIH T

LV:350 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:DIETHYLENE DIOXIDE (1,4-DIOXANE) (SARA III)  
CAS:123-91-1  
RTECS #:JG8225000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:S, 100 PPM  
ACGIH TLV:S, 25 PPM; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:1,2-BUTYLENE OXIDE (SARA III)  
CAS:106-88-7  
RTECS #:EK3675000  
Fraction by Wt: .47%  
Other REC Limits:40PPM/EXCURSN 100PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NITROMETHANE

CAS:75-52-5  
RTECS #:PA9800000  
Fraction by Wt: .34%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM

Ingred Name:CARBON DIOXIDE (PROPELLANT)  
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

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

LD50 LC50 Mixture:LD50 ORAL (RAT) >10,000 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; EYE: MAY CAUSE PAIN, SLIGHT TRANSIENT IRRITATION W/SLIGHT TRANSIENT CORNEAL INJURY, IRRITATE. INGESTION:IF ASPIRATED, MAY BE ABSORBED THRU LUNGS, INJURE OTHER BODY SYSTEMS. INHAL: MINIMAL ANESTHETIC/NARCOTIC EFFECTS, DIZZINESS, DRUNKENESS, UNCONSCIOUSNESS, DEATH. CARDIAC ARRHYTHMIAS. Effects of Overexposure:CHRONIC; SKIN: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. REPEATED CONTACT MAY CAUSE DRYING O

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FLAKING OF SKIN.

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First Aid Measures  
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First Aid:EYE:FLUSH IMMEDIATELY WITH WATER 5 MIN.SKIN:WASH IN FLOW WATER/SHOWER.INGEST:DONT INDUCE VOMIT.CALL DR/TRANSPORT TO EMERGENCY ROOM IMMEDIATELY.INHAL:REMOVE TO FRESH AIR.IF NO BREATH,GIVE ARTIFICIAL RESPIRATION.IF BREATH DIFFICULT,GIVE OXYGEN.CALL DR.NOTE TO DR:RAPID ABSORPTION THRU LUNGS(ASPIRATED- SYSTEMIC EFFECTS).IF LAVAGE,ENDOTRACHEAL/ESOPHAGEAL CONTROL.WEIGH DANGER WITH TOXICITY.EXPOSURE INCREASES MYOCARDIAL IRRITATION.DONT GIVE SYMPATHOMIMETIC

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Fire Fighting Measures  
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Flash Point Method:TOC  
Flash Point:NONE  
Lower Limits:6.0  
Upper Limits:16.7  
Extinguishing Media:WATER FOG  
Fire Fighting Procedures:WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPORS MAY DEVELOP A FLAMMABLE ATMOSPHERE IN CONFINED/POORLY VENTED AREA. CONTENTS OF CANS UNDER PRESSURE. COOL UNINVOLVED CANS TO PREVENT BURSTING.

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Accidental Release Measures  
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Spill Release Procedures:SMALL SPILLS/LEAKS: MOP UP, WIPE UP, OR SOAK UP IMMEDIATELY. REMOVE TO OUT-OF-DOORS. LARGE SPILLS: EVACUATE AREA. CONTACT LIQUID; TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLIES.

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Handling and Storage  
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Handling and Storage Precautions:HANDLE WITH REASONABLE CARE. AVOID BREATHING VAPORS. STORE IN COOL DRY PLACE AWAY FROM DIRECT SUNLIGHT. DO NOT

NT PUNCTURE OR INCINERATE CAN. USE W/VENT.

Other Precautions:BE SURE SPRAY NOZZLE POINTING AWAY FROM USER. DONT ENTER AREA WHERE PRODUCT VAPORS SUSPECTED UNLESS SPECIAL BREATHING APPARATUS USED & OBSERVER PRESENT FOR ASSISTANCE. KEEP FROM REACH OF CHILDREN. REP LACE VALVE CAP AFTER USE.

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

Respiratory Protection:KEEP BELOW TLV. WHEN RESP PROTECTION REQ'D, USE AIR PURIFYING RESPIRATOR. FOR EMERG & OTHER CONDITIONS (TLV GREATLY

EXCEEDED), USE POSITIVE PRESSURE SCBA. IN CONFINED/POORLY VENTED, USE APPROVED POSITIVE PRESSURE SCBA.

Ventilation:KEEP BELOW TLV/PEL. USE W/VENT.LOCAL EXHAUST MAY BE NEEDED FOR SOME OPERATIONS.LETHAL CONCENTRATN MAY EXIST W/POOR VENT.

Protective Gloves:GLOVES WILL DEPEND ON OPERATION

Eye Protection:SFTY GLASSES, FACE SHIELD, CHEM GOGGLES

Other Protective Equipment:BRIEF CONTACT,CLEAN BODY COVER CLOTH NEEDED. PROLONGD/FREQUENT CONTACT,IMPERVIOUS CLOTH.SPECIFIC ITEMS DEPEND ON OPERATN

Supplemental Safety and Health

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

HCC:T4

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

Vapor Pres:100 @ 20C

Vapor Density:4.55

Spec Gravity:1.321 @ 25C

Solubility in Water:0.007 G/100 G @ 25C

Appearance and Odor:COLORLESS LIQUID, IRRITATING ODOR AT HIGH CONCENTRATIONS

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

PROLONGED CONTACT W/FREE WATER, PROLONGED CONTACT/ STORAGE IN ALUMINUM/ALLOYS/ METALLIC ALUMINUM/ZINC POWDERS.

Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.

Hazardous Decomposition Products:HYDROGEN CHLORIDE & VERY SMALL AMOUNTS OF PHOSGENE AND CHLORINE

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

Waste Disposal Methods:WHEN DISPOSING OF UNUSED CONTENTS, PREFERRED OPTIONS ARE TO SEND TO LICENSED RECLAIMER. DO NOT INCINERATE CAN. ANY DISPOSAL PRACTICE MUST

BE IN COMPLIANCE WITH FEDERAL, STATE &  
LOCAL REGULATIONS. DONT DUMP INTO SEWERS, ON GROUND OR INTO  
WATERBODIES.

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