

# MATERIAL SAFETY DATA SHEET

**PRODUCTS MANUFACTURED BY:**  
**AMERICAN NIAGARA • 6750 JONES MILL COURT • BLDG. "E" • NORCROSS, GA 30092**  
**PH: (770) 441-5900 • TOLL FREE (800) 241-7708 • FAX (770) 409-7240**

**24 HOUR EMERGENCY 800-424-9300 CHEMTREC**

**PRODUCT MANUFACTURED FOR (IF DIFFERENT FROM ABOVE)**  
**AMERICAN NIAGARA // TEE SQUARES**

## SECTION I PRODUCT IDENTIFICATION

CHEMICAL NAMES & SYNONYMS	TRADE NAME
<b>SOLVENT BASED INK REMOVER</b>	<b>INK-ERAD</b>

## SECTION II HAZARDOUS INGREDIENTS WITH CAS #S, TLV & HAZARDOUS WEIGHT BY %

INGREDIENTS THAT ARE APPLICABLE	TLV	CAS NUMBERS THAT ARE APPLICABLE	% BY WEIGHT
METHANOL	200TWA; 250STEL	67-56-1	N/A
ISOPROPYL ALCOHOL	400TWA; 500STEL	67-63-0	N/A
METHYL ETHYL KETONE (MEK)	200TWA; 300STEL	78-93-3	N/A

## SECTION IIA CHEMICAL RATING SYSTEM

CHEMICAL RATING SYSTEM WHEN APPLICABLE / NFPA (NATIONAL FIRE PROTECTION AGENCY) - PRODUCTS ARE GRADED FROM 0 TO 4 ON (H) HEALTH, (F) FLAMMABILITY, AND (R) REACTIVITY. 0 = NO SPECIAL HAZARD; 1 = SLIGHT; 2 = MODERATE; 3 = HIGH; 4 = EXTREME. THE INFORMATION FOR THIS PRODUCT IS AS FOLLOWS (\*NOTE MAY NOT BE APPLICABLE ON CERTAIN TYPES OF PRODUCTS)

**H = 2 F = 4 R = 1**

## SECTION III PHYSICAL DATA

<u>BOILING POINT (F)</u>	167° F	<u>SPECIFIC GRAVITY (WATER = 1)</u>	0.8 @ 25/25 C
<u>% VOLATILE</u>	100%	<u>EVAPORATION RATE (ETHER = 1)</u>	}} BUTYL ACETATE
	4.55		0.4
<u>SOLUBILITY IN WATER (CENT)</u>	NEGLIGIBLE	<u>APPEARANCE AND ODOR</u>	COLORLESS LIQUID SOLVENT ODOR

## SECTION IV FIRE & EXPLOSION HAZARD DATA

FLASHPOINT (METHOD USED) 50° F EXTREMELY FLAMMABLE  
 Flash Point: 30.0F, -1.1C  
FLAMMABLE LIMITS / LOWER / UPPER  
 EXTREMELY FLAMMABLE MIXTURE

EXTINGUISHING MEDIA CO2, DRY CHEMICAL, FOAM

SPECIAL FIRE FIGHTING EQUIPMENT WEAR POSITIVE PRESSURE, SELF CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARDS  
 VAPORS OF THIS SOLVENT WILL DEVELOP A FLAMMABLE ATMOSPHERE IN CONFINED OR POORLY VENTILATED AREAS. COOL DRUMS WITH WATER MIST. WHEN EXPOSED TO FLAME MAY PRODUCE TOXIC SUBSTANCES.

## SECTION V REACTIVITY DATA

STABLE YES

STABILITY UNSTABLE CONDITIONS TO AVOID  
 AVOID OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)  
 FIRE OR OPEN FLAME WILL CAUSE HARMFUL DECOMPOSITION AND WILL CREATE PRODUCTS SUCH AS HYDROGEN CHLORIDE OR PHOSGENE. THIS PRODUCT SHOULD NOT COME IN CONTACT WITH ALUMINUM OR WATER FOR EXTENDED PERIODS.

HAZARDOUS DECOMPOSITION  
 HYDROGEN CHLORIDE AND VERY SMALL AMOUNTS OF PHOSGENE AND CHLORINE.

HAZARDOUS POLYMERIZATION  
 WILL NOT OCCUR

### FOR SHIPPING:

**FLAMMABLE LIQUID N.O.S.**  
**(CONTAINS: METHANOL; ISOPROPNOL; METHYL ETHYL KETONE)**  
**CLASS 3 PACKING GROUP II UN #1993**

MSDS/INKERAD(1-03)

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PRODUCT NAME: **INK-ERAD (INK REMOVER)**

**SECTION VI HEALTH HAZARD INFORMATION**

EYE MAY CAUSE EYE PAIN. MAY CAUSE SLIGHT TRANSIENT (TEMPORARY) IRRITATION WITH SLIGHT CORNEAL INJURY. VAPORS MAY IRRITATE EYES.

SKIN CONTACT PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. REPEATED CONTACT MAY CAUSE DRYING OR FLAKING OF SKIN.

SKIN ABSORPTION PROLONGED CONTACT MAY RESULT IN LIVER DAMAGE.

INGESTION HARMFUL IF SWALLOWED. CONTACT PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

INHALATION HEADACHE, DIZZINESS AND/OR NAUSEA MAY RESULT FROM PROLONGED EXPOSURE TO VAPORS OVER 800 PPM. EXPOSURE TO VERY HIGH CONCENTRATIONS OF VAPORS (OVER 8,000 PPM) MAY RESULT IN UNCONSCIOUSNESS OR POSSIBLY DEATH. THESE HIGH LEVELS MAY ALSO CAUSE CARDIAC ARRHYTHMIAS (IRREGULAR HEARTBEATS). IN CONFINED OR POORLY VENTILATED AREAS, VAPORS WHICH READILY ACCUMULATE CAN CAUSE UNCONSCIOUSNESS AND DEATH.

SYSTEMIC & OTHER EFFECTS

**THIS CHEMICAL IS DANGEROUS IF NOT PROPERLY USED. DICHLOROMETHANE CAN CAUSE HEART ARRHYTHMIAS. USE WITH CAUTION. METHANOL CAN CAUSE BLINDNESS AND DEATH!**

**EMERGENCY & FIRST AID PROCEDURES**

EYE & SKIN REMOVE CONTAMINATED CLOTHING AND FLUSH EXPOSED AREAS WITH WATER FOR 5 TO 15 MINUTES.

INHALATION REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, ADMINISTER RESPIRATION OR OXYGEN IF AVAILABLE. CALL A PHYSICIAN.

INGESTION DO NOT INDUCE VOMITING. CALL PHYSICIAN AND OBTAIN MEDICAL ATTENTION - IMMEDIATELY.

NOTE TO PHYSICIAN

BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGEAL CONTROL. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. EXPOSURE MAY INCREASE MYOCARDIAL IRRITABILITY. DO NOT ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS ABSOLUTELY NECESSARY. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGEMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

**SECTION VII SPILL & DISPOSAL PROCEDURES**

SMALL LEAKS

MOP UP, WIPE UP, OR SOAK UP IMMEDIATELY. REMOVE TO OUT-OF-DOORS.  
**FLAMMABLE MIXTURE!!!**

LARGE SPILLS EVACUATE AREA. CONTAIN LIQUID; TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLIES. **FLAMMABLE MIXTURE!!!**

DISPOSAL METHOD WHEN DISPOSING OF THE UNUSED CONTENTS, THE PREFERRED OPTIONS ARE TO SEND LICENSED RECLAIMER, OR TO PERMITTED INCINERATORS. ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. DO NOT DUMP INTO ANY BODY OF WATER. EMPTY CONTAINERS MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT CUT OR WELD CONTAINER DUE TO EXPLOSION HAZARD.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

RESPIRATORY: NONE REQUIRED WHEN USED WITH ADEQUATE VENTILATION

EYE CHEMICAL SAFETY GOGGLES, CONTACT LENSES SHOULD NOT BE WORN.

SKIN NEOPRENE, VITON, POLYVINYL ALCOHOL COATED GLOVES OR EQUIVALENT.

OTHER PROTECTIVE HEADGEAR & APRON WHEN SPLASHING IS A PROBLEM

VENTILATION REQUIREMENTS SUFFICIENT TO MAINTAIN BELOW PEL

**SECTION IX SPECIAL PRECAUTIONS**

HANDLING & STORAGE AVOID CONTACT WITH SKIN AND AVOID BREATHING VAPORS. PIPE VENTS OUTDOORS. STORE IN COOL, DRY VENTILATED AREA. VAPORS HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS.

OTHER PREVENT MOIST AIR FROM ENTERING STORAGE. NO SMOKING IN PRESENCE OF VAPORS. CONTACT WITH ALUMINUM PARTS IN A PRESSURIZABLE FLUID SYSTEM MAY CAUSE VIOLENT REACTIONS. CONSULT EQUIPMENT SUPPLIER FOR FURTHER INFORMATION.

**DISCLAIMER**

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS PROVIDED PURSUANT TO 29CFR 1910.1200 TO CONVEY INFORMATION CONCERNING THE HAZARDOUS NATURE OF THE NAMED PRODUCT. THE INFORMATION SUPPLIED WAS COMPILED FROM THE MOST RELIABLE SOURCES AVAILABLE AT THE TIME OF PREPARATION AND IN LIGHT OF THE MOST REASONABLE FORSEEABLE EXPOSURE SITUATIONS EXPECTED FROM THE INTENDED USE OF THIS PRODUCT. THE MATERIAL MAY PRESENT GREATER OR LESSER HAZARD EXPOSURE UNDER OTHER CIRCUMSTANCES THAT ARE BEYOND THE CONTROL OF THE MANUFACTURER. FOLLOW ALL DIRECTIONS AND WARNINGS ON THE PRODUCT LABEL.

MSDS/INKERAD-1-03