

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

**Manufactured by:** Millenia Productions, Inc. (3201 N Mead, Wichita, KS 67219)

**Trade Name:** Non-Acetone Nail Polish Remover

**Information:** (316) 425-2500

**Date Prepared:** 03/22/96

## II. FIRST AID MEASURES

**Eye Contact:** Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

**Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cover the irritated skin with an emolient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion:** DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. If vomiting occurs spontaneously, lower head to avoid aspiration into the lungs. Seek medical attention.

## III. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS#	% by volume	TLV/PEL	LC19/LD20
Ethyl acetate	141-78-6	>9	TWA:400 (ppm) from ACGIH (TLV) TWA:400 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 5620 mg/kg [Rat], VAPOR (LC50): Acute: 19596 ppm 4 hour(s) [Rat]
Isopropyl Alcohol	67-63-0	>9	TWA: 200 (ppm) from OSHA (PEL) TWA: 200 (ppm) from ACGIH (TLV)	ORAL (LD50): Acute: 3600 mg/kg [Mouse]. VAPOR (LC50): Acute: 16970 ppm 4 hour(s) [Rat]
Light Aliphatic Solvent Naphtha (H)	54742-89-8	>9	TWA: 400 (ppm) from ACGIH (TLV) TWA: 400 (ppm) from OSHA (PEL)	Not available

## IV. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation. Slightly hazardous in case of ingestion. Severe over-exposure can result in death.

**Potential Chronic Health Effects:** CARCINOGENIC EFFECTS: classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Ethyl acetate]. Classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Isopropyl alcohol]. Classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Light Aliphatic Solvent Naphtha (H)].

MUTAGENIC EFFECTS: Not Available

TERATOGENIC EFFECTS: Not Available

DEVELOPMENTAL TOXICITY: Not Available

Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

## V. FIRE AND EXPLOSION DATA

<b>Flammability of the Products:</b>	Flammable
<b>Auto-Ignition Temperature:</b>	The lowest known value is 398.89 deg C (750 deg F) (Isopropyl Alcohol)
<b>Flash Point:</b>	The lowest known value is CLOSED CUP: -17.778 deg C (0 deg F) (Tagllabue) (Light Aliphatic Solvent Naphtha (H))
<b>Flammable Limits:</b>	The greatest known range is LOWER: 2% UPPER: 12% (Isopropyl Alcohol)
<b>Products of Combustion:</b>	These products are carbon oxides (CO, CO2)
<b>Fire Hazards in Presence of</b>	Highly flammable in presence of open flame and sparks, of heat, of oxidizing materials, of moisture.
<b>Various Substances:</b>	Flammable in presence of combustible materials.
<b>Fire Fighting Media and Instructions:</b>	Flammable liquid, insoluble in water. Moisture reactive material. SMALL FIRE: Obtain advice on use of water. Use DRY chemicals, soda ash or lime. LARGE FIRE: Use water spray or fog. DO NOT use water jet.

## VI. ACCIDENTAL RELEASE MEASURES

<b>Small Spill:</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill:</b>	Flammable liquid, insoluble in water, Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustable material. DO NOT get water inside container. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## VII. HANDLING AND STORAGE

<b>Precautions:</b>	Keep locked up. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.
<b>Storage:</b>	Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infetious materials should be stored in a separate locked safety storage cabinet or room.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below thris respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.
<b>Personal Protection:</b>	Splash goggles, Lab coats, Gloves. Wear appropriate respirator when ventilation is inadequate.
<b>Personal Protection in Case of a Large Spill:</b>	Splash goggles, Full suit, Vapor and dust respirator, Boots, Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state &amp; Appearance:</b>	Liquid	<b>Odor:</b>	Organic Solvent
<b>Molecular Weight:</b>	Not applicable	<b>Color:</b>	Colorless
<b>pH:</b>	Neutral		
<b>Boiling Point:</b>	The lowest known value is 61.111 deg C (142 deg F) (Light Alohatic Solvent Naphtha (H)) Weighted average: 74.87 deg C (166.8 deg F)		
<b>Melting Point:</b>	May start to solidify at -83.6 deg C (-118.5 deg F) based on data for: Ethyl acetate. Weighted average: -85.08 deg C (-121.1 deg F)		
<b>Solubility:</b>	Easily soluble in diethyl ether. Soluble in methanol, acetone. Partially soluble in n-octanol.		

<b>Specific Gravity:</b>	Insoluble in cold water, hot water.
<b>Vapor Pressure:</b>	Weighted average: 0.82 (Water = 1) The highest known value is 119 mm of Hg (@ 20 deg C) (Light Aliphatic Solvent Naphtha (H)). Weighted average: 74.2 mm of Hg (@ 20 deg C)
<b>Vapor Density:</b>	The highest known value is 3.04 (Air = 1) (Ethyl acetate). Weighted average: 2.82 (Air = 1)
<b>Volatility:</b>	100% (v/v)
<b>Viscosity:</b>	Not available
<b>Evaporation Rate:</b>	The highest known value is 9.1 (Light Aliphatic Solvent Naphtha (H)). Weighted average: 5.4 compared to Butyl acetate.

## X. STABILITY & REACTIVITY DATA

<b>Stability:</b>	The product is stable
<b>Instability Temperature:</b>	Not available
<b>Conditions of Instability:</b>	No additional remark
<b>Incompatibility with various Substance:</b>	Reactivity with oxidizing agents, acids, alkalis, moisture.
<b>Corrosivity:</b>	Non-corrosive in presence of glass

## XI. TOXICOLOGICAL INFORMATION

<b>Routes of Entry:</b>	Absorbed through skin. Eye contact. Inhalation.
<b>Toxicity to Animals:</b>	WARNING: THE LC50 VALUES ARE ESTIMATES ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (Isopropyl alcohol). Acute toxicity of the vapor (LC50): 16970 ppm 4 hour(s) [Rat]. (Isopropyl alcohol)
<b>Chronic Effects on Humans:</b>	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Ethyl acetate]. Classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Isopropyl alcohol]. Classified A5 (Not suspected for human) by ACGIH, 4 (Probably not for human) by IARC [Light Aliphatic Solvent Naphtha (H)].
<b>Other Toxic Effects on Humans:</b>	Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation. Slightly hazardous in case of ingestion.

## XII. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available
<b>BODS and COD:</b>	Not available
<b>Products of Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation:</b>	The products of degradation are less than the product itself.

## XIII. DISPOSAL CONSIDERATION

<b>Waste Disposal:</b>	Recycle, if possible. Consult your local or regional authorities.
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## XIV. TRANSPORT INFORMATION

<b>DOT Classification:</b>	DOT CLASS 3: Flammable liquid.
<b>PIN:</b>	Shipping Name: Paint Related Material UNNA: UN1263 PG II
<b>Special Procedure for Transport:</b>	No additional remark.

**DOT (Pictograms):**



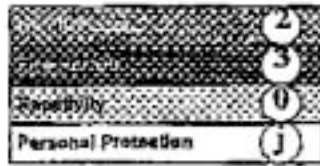
Non-Acetone Nail Polish Remover

**XV. OTHER REGULATORY INFORMATION AND PICTOGRAMS**

**Federal and State Regulations:**

SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 313 toxic chemical notification and release reporting: No products were found.  
CERCLA hazardous substances: Ethyl acetate;  
All components of this product are listed on the TSCA inventory.

**HMIS (U.S.A.):**



**National Fire Protection Association (U.S.A.)**

Health



Fire Hazard  
Reactivity  
Specific hazard

**XVI. OTHER INFORMATION**

**Millenia Productions** believes that the information contained in this M.S.D.S. is correct as of this date. However, because the material may be used under conditions which **Millenia Productions** has no control of in ways we can not anticipate, we give no warranty expressed or implied, as to the accuracy of the information and assume no responsibility for any damage to person, property of business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that it is properly and safely used.