

MATERIAL SAFETY DATA SHEET

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TRADE NAME: Isopropyl Alcohol - 99% DATE: May, 1992
 (REVISED)
 83-7-105089

Name/Synonym: Fountain Solution Additive Part Numbers: 83-9-105789

Manufactured/Distributed by: AM MULTIGRAPHICS
1800 West Central Road
Mt. Prospect, Illinois 60056

Emergency Phone - Day - (708) 870-5121
 Night - (708) 398-1900

II. INGREDIENTS - Confidential Information for Safety/Health Use Only
 (ALL EXPOSURE LIMITS ARE PPM UNLESS OTHERWISE NOTED)

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH, NIOSH TLV, EXPOSURE LIMITS</u>		<u>NTP, IARC OSHA CARCINOGEN</u>	<u>WT %</u>
			<u>TWA</u>	<u>STEL</u>		
<u>Isopropyl Alcohol*</u>	<u>67-63-0</u>	<u>400</u>	<u>400</u>	<u>500</u>	<u>No</u>	<u>99</u>
<u>* OSHA class IB Flammable liquid</u>						

III. PHYSICAL PROPERTIES

Boiling Point ('F): 176°F-181°F Specific Gravity (H2O = 1) 0.79
 Vapor Pressure (mm Hg.): 328 Melting Point: -127°F
 Vapor Density (Air = 1): 2.1 Evaporation Rate:
 Solubility in Water: 100% (butyl acetate = 1) 1.7
 Appearance/Odor: Clear Liquid, pH: N/A
Alcohol Odor

IV. FIRE AND EXPLOSION HAZARD

Flash Point (Method): 55°F Tag CC Flammable Limits: LEL:2.5 UEL 12
 Extinguishing Media: CO2, Dry Chemical, Water Spray, "Alcohol" foam.
 Special Fire Fighting Procedure: Use air supplied rescue equipment for enclosed areas. Cool exposed containers with water.
 Unusual Fire/Explosion Hazards: Flammable liquid - vapors are heavier than air and may travel considerable distance to a source of ignition and flash back.

N/A = Not Applicable
 N/E = Not Established

V. REACTIVITY DATA

Stability: StableConditions to Avoid: Do not store or mix with strong oxidants.Incompatibility, Materials to Avoid: Alkylene oxides acid anhydrides, acids, halogens, phosphorus trichloride, aldehydes, monomers, and polymerizable esters.Hazardous Decomposition Products: Carbon monoxide and unidentified organic compounds may be formed during combustion.Hazardous Polymerization: Will not occur.

VI. SPILL OR LEAK PROCEDURE/WASTE DISPOSAL

Remove ignition source, evacuate area. Avoid prolonged breathing of vapor. Dike leak to prevent movement to sewer. Dispose of as hazardous waste. DO NOT pour down drain. Handling equipment must be grounded to prevent sparking.

VII. HEALTH HAZARD DATA

A) Routes of entry, signs and symptoms of overexposure, acute and chemical effects.

Eye: Slight eye irritant.Skin: Mild irritation.Inhalation: At high concentrations, narcosis can occur.Ingestion: G.I. cramps, nausea, diarrhea.Target Organ Eye, skin, respiratory system.B) Carcinogenicity: Not found in NTP, OSHA or IARC.C) Medical conditions generally aggravated by normal exposure:
NoneD) Emergency and First AidEye: Irrigate immediately.Skin: Wash with soap and water.Inhalation: Move to fresh air, if breathing has stopped, administer artificial respiration, get medical aid soon.Ingestion: Do not induce vomiting. Get medical aid immediately.

VIII. SPECIAL PROTECTION INFORMATION

Respiration Protection: None required if below TLV.Ventilation - Local Exhaust: To maintain below TLV Other: N/AProtective Gloves: Neoprene Eye Protection: Safety GlassesOther Protection: Impervious clothing.

IX. SPECIAL PRECAUTIONS

Handling and Storage: Keep away from heat, sparks and open flame.Keep closed when not in use. Do not store in aluminum containers.Other: Read and follow label direction. Ground container when pouring For Commercial/Industrial use only. Keep from reach of children.Do not reuse container.

Isopropyl Alcohol - 99% P/N 83-7-105089, 83-9-105780, 83-2-105779

X. ENVIRONMENTAL DATAHazardous Substance (40 CFR 372: SARA Sec. 313)

None

Reportable Quantity (40 CFR 355: SARA Sec. 302)

None

Hazardous Substance (40 CFR 302: CERCLA Table 302.4)

None

RCRA Waste Number

D001

Volatile Organic Compounds

6.36 lbs./gallon or 762.3 grams/liter (calculated)

SARA Hazard Class

Acute: yes Chronic: no Fire: yes Pressure: no Reactivity: no

NFPA Hazard Rating

Health: 1 Flammability: 3 Reactivity: 0 Specific Hazard: N/A

XI. DOT SHIPPING INFORMATIONSurface:Proper Shipping Name: IsopropanolUN1219 Class 3 Labels: Flammable LiquidAir:Proper Shipping Name: IsopropanolUN1219 Class 3 Labels: Flammable Liquid

The chemicals in this product are listed on the TSCA inventory.

XII. DISCLAIMER

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. AM Multigraphics believes that the information contained herein is current as of the revision date of this MSDS. Since the conditions of use of this product are beyond the control of AM Multigraphics, it is the obligation of the user to determine the conditions for safe use.