

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

(31)

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Sultan Chemists Inc.		EMERGENCY TELEPHONE NO. 201-871-1232
ADDRESS (Number, Street, City, State, and ZIP Code) 85 W. Forest Avenue, Englewood, N.J. 07631		
CHEMICAL NAME AND SYNONYMS Isopropanol		TRADE NAME AND SYNONYMS Isopropyl Alcohol 99%
CHEMICAL FAMILY Adiphatc Alcohol	FORMULA (CH₃)₂-CH-OH	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		PPM	BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS	100	400	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	181	SPECIFIC GRAVITY (H ₂ O=1)	0.79
VAPOR PRESSURE (mm Hg.) @20 Deg.C	33	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	2.07	EVAPORATION RATE (_____ =1)	2.12
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR Colorless liquid, sharp, somewhat unpleasant odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Tag C.C. 53 Deg. F.	FLAMMABLE LIMITS	2.3	12.7
EXTINGUISHING MEDIA Alcohol foam, carbon dioxide, dry chemical, water fog.			
SPECIAL FIRE FIGHTING PROCEDURES Water may not be effective, Cool exposed containers with water.			
Keep up wind. Keep people away.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Flammable Run-Off waterway creates fire hazard: Notify Fire Dept.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	TLV 400 PPM Liquid causes eye burns.
EFFECTS OF OVEREXPOSURE	Vapor irritation to eyes, nose and throat and can result in headache, dizziness and nausea.
EMERGENCY AND FIRST AID PROCEDURES	If overcome by vapors, remove from exposure immediately. Call a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Remove all ignition sources. Recover free liquid. Add absorbent to spill areas. Ventilate enclosed spaces. Open all windows and doors.
WASTE DISPOSAL METHOD	Absorb on dry solids and incinerate.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General) Explosion proof vent equipment	Use only with ADEQUATE vent OTHER No smoking or open lights
PROTECTIVE GLOVES	EYE PROTECTION	Chemical goggles or face splash shield
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Keep away from heat, sparks and open flame. Use only with ADEQUATE ventilation.
OTHER PRECAUTIONS	Avoid contact with eyes and prolonged or repeated contact with skin.