

## Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	C1951				
Product Name:	Isopropyl Alcohol 90% v/v Solution	Health:	2		
		Flammability	3		
		Reactivity	0		
Trade/Chemical Synonyms		Hazard Rating:			
		Least Slight Moderate High Extreme			
Formula:	N/A	0	1	2	3 4
RTECS:	None	NA = Not Applicable NE = Not Established			
C.A.S	See Below				
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established
<input checked="" type="checkbox"/>	Isopropyl Alcohol (2-propanol)	CAS# 67-63-0	90%	V/V	OSHA TWA 400 ppm, STEL 500 ppm
Section 3 Hazard Identification (Also see section 11)					
Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
Section 4 First Aid Measures					
Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam				
Fire/Explosion Hazards:	Vapor may travel considerable distance to source of ignition and flash back.				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Eliminate Ignition Sources. Neutralize with: Soda lime, soda ash. Absorb with vermiculite or other inert material. Place in container.					
Section 7 Handling and Storage					
Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: Organic Vapor Cartridge					
Mechanical:		Hand Protection: Gloves to prevent skin exposure as latex or vinyl			
<input checked="" type="checkbox"/>					
Ventilation:		Eye Protection: Splash Goggles			
Local					
Exhaust: <input type="checkbox"/>					
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point:	Information not available	Specific Gravity	0.82		
Boiling Point:	84° C (184°F)	Percent Volatile by Volume:	100%		
Vapor Pressure:	43	Evaporation Rate:	>1 (butyl acetate = 1)		
Vapor Density:	>1 (air = 1)	Evaporation Standard:			
Solubility in Water:	Soluble	Auto ignition Temperature:	Not available		
Appearance and Odor:	Clear liquid with alcohol odor	Lower Flamm. Limit in Air:	Not available		
Flash Point:	13.3° C (56° F)	Upper Flamm. Limit in Air:	Not available		
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.					
Materials to Avoid: Caustics, amines, alkanolamines, aldehydes, ammonia, strong oxidizing agents, chlorinated compounds					
Hazardous Decomposition Products: Oxides of carbon					
Hazardous Polymerization: not known to occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Conditions aggravated/Target organs: Persons with preexisting skin, eye, respiratory disorders may be more susceptible. Acute: Irritation to skin, eyes, lungs, mucous membranes and GI tract, nausea, narcosis, drowsiness, dizziness. Chronic: Dermatitis, eye damage. May be harmful with ingestion of 20 mls causing serious injury.					
DOT Classification: Isopropanol Solution, 3, UN1219, PG II					
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Revision No:0 Date Entered: 9/1/2006 Approved by: WPF					

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