

SAFETY DATA SHEET: IPA-SAN 70

1. IDENTIFICATION

Product Name:

IPA-SAN 70

Recommended Use: Restrictions on Use:

Industrial use No information available

Mark Supply, Inc. 156 Progress Cir. Venice, FL 34285 (941) 485-8199

24 Hour Emergency Response: INFOTRAC (800) 535-5053

2. HAZARDS IDENTIFICATION

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OSHA Classification	<u>):</u>	Hazard Category:	Hazard Statement:				
Eye Damage/Irritation		2A	Causes serious eye irritation.				
Specific Target Organ Toxicity (single exposure)		3	May cause drowsiness or dizziness.				
Flammable Liquids		2	Highly flammable liquid and vapor.				
Signal Word:	DANGER						
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Precautionary State	ments						
Prevention:							
	Keep away from heat, sparks, open flames, hot surfaces. – No smoking.						
		Keep container tightly closed.					
		Ground, bond container and receiving equipment.					
		Use explosion-proof electrical, ventilating, lighting, equipment.					
	Take precautionary measures against static discharge and use only non-sparking tools.						
	0 0	Avoid breathing fume, gas, mist, vapors, spray.					
	Wash thoroughly after handling.						
	Use only outdoors or in						
_	Wear protective gloves,	eye protection, face	protection.				
Response							
	If on skin (or hair): Take	off immediately all c	ontaminated clothing. Rinse skin with water, shower.				
	If inhaled: Remove pers	If inhaled: Remove person to fresh air and keep comfortable for breathing.					
	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.						
	Call a poison center, doctor if you feel unwell.						
	If eye irritation persists:	Get medical advice,	attention.				
Storage							
	Store in a well ventilated	d place. Keep contair	ner tightly closed. Keep cool.				
	Store locked up.	-					
Disposal							
	Dispose of contents, co	ntainer in accordance	e with all governmental regulations.				

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS					
Component		<u>Synonyms</u>	CAS #	<u>% Volume</u>	
Isopropyl alcohol		Isopropanol; IPA; 2-Propanol	00067-63-0	70	
Water			07732-18-5	30	
4. FIRST AID MEAS	SURES				
Inhalation:	Remove person to fresh air and ke difficult administer oxygen. Seek n	eep comfortable for breathing. If not breathing, gi nedical attention.	ive artificial respiration. If b	reathing is	
Eye Contact:	Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.				
Skin Contact:	Remove contaminated clothing. Flush skin with plenty of water. Seek medical attention if irritation develops.				
Ingestion:	Rinse mouth. Give victim large amounts of water and induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.			conscious	

Additional notes: Sympto	oms and effects include respiratory tract irritation, drowsiness, dizziness, defatting of skin.	
5. FIRE-FIGHTING MEASURES		
Extinguishing Media:	Carbon dioxide, dry chemical or alcohol foam. Water may be ineffective.	
Special Equipment and Precautio	ns: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.	
Specific Hazards:	Vapors may flow along surfaces to distant ignition sources and flash back. Vapors may form explosive mixtures with air.	
Hazardous combustion products:	Oxides of carbon.	
6. ACCIDENTAL RELEASE MEA	SURES	
Spill Procedures:	Remove all potential ignition sources. Prevent spread of spill. Wear full protective equipment including suitable respiratory protection. Absorb with sand or inert material. Place into suitable container for disposal. Flush spill area with water.	
7. HANDLING AND STORAGE		
Incompatible Materials:	Incompatible with strong oxidizers. Aldehydes, halogen compounds, reactive metals.	
Storage and Handling:	Store locked up in a cool, dry, well-ventilated flammable liquids storage area or cabinet away from incompatible materials. Keep away from heat and ignition sources. Keep containers tightly closed and protect them from physical damage. Bond and ground containers when transferring liquid. Use only non-sparking tools and take precautionary measures against static discharge. No smoking.	
	Keep away from heat, sparks, open flames, hot surfaces. – No smoking.	
	Keep container tightly closed.	
	Ground, bond container and receiving equipment.	
	Use explosion-proof electrical, ventilating, lighting, equipment.	
	Take precautionary measures against static discharge and use only non-sparking tools.	
	Avoid breathing fume, gas, mist, vapors, spray.	
	Wash thoroughly after handling.	
	Use only outdoors or in a well-ventilated area.	
	Wear protective gloves, eye protection, face protection.	
8. EXPOSURE CONTROLS AND		
OSHA & ACGIH Exposure Limits:		
Isopropyl alcohol	OSHA TWA: 400 ppm; 980 mg/m3 ACGIH TWA: 200 ppm; 491 mg/m3 ACGIH STEL: 400 ppm; 984 mg/m3	
Water	None identified	
Engineering Controls:	Use general or local exhaust ventilation to meet TLV and PEL requirements.	
Respiratory Protection:	Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved full facepiece chemical cartridge respirator with an organic vapor cartridge.	
Skin/Eye Protective Equipment:	Safety goggles, protective clothing and gloves appropriate for the risk of exposure.	
	Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.	
9. PHYSICAL AND CHEMICAL F		
Apearance: Odor:	Clear colorless liquid. Medicinal alcoholic odor	
Odor Threshold:	No information available	
pH:	No information available	
Melting/Freezing Point:	-89 °C	
Initial Boiling Point and Boiling Ra		
Flash Point:	18.3 °C	
Evaporation Rate:	Not available	
Flammability:	Flammable	
Flammable or Explosive	Upper: 12.7	
Limits (% by volume in air)	Lower: 2	
Vapor Pressure:	32.4 mm Hg @20°C	
Vapor Density:	2.1	
Relative Density:	0.88 Water=1	
Solubility:	Miscible with water.	
Partition Coefficient: n-octanol/wa		
Auto-Ignition Temperature:	399 °C	
Decomposition Temperature:	Not available	
Viscosity:	Not available	
10. STABILITY AND REACTIVIT		
Reactivity:	No information available	
Stability:	Stable	

Possibility of Hazardous Reactions:	Hazardous polymerization will not occur	
Conditions to Avoid:	Heat, sparks and open flame.	
Incompatibles:	Incompatible with strong oxidizers. Aldehydes, halogen compounds, reactive metals.	
Decomposition Products: Oxides of carbon.		
11. TOXICOLOGICAL INFORMATION		

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concentrations may cause central nervous system effects, frausea, heádache, dizziness, unconsciousness and coma. cause narotic effects: Very hijo concentrations may lead to pulmonary edema and unconscousness. Skin Contact: May initiate or burn the eyes. Ingestion: May be harmful if valolwed. Causes gastrointestinal irritation with nausea, vomiting, stomach cramps, diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, nausea. Advanced stages may cause collapse, unconsciousness, coma, death. Chronic Effects: Defating of the skin, liver and kindrey damage. irritation of mucous embranes, skin, respiratory system. Target Organs: Eyes, skin, respiratory system, central nervous system. Additional Effects: No information available Carcinogenicity: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is bised by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is not may allable isopropyl alcohol is bised of the adverse fifted is No information available Vater No information available Field isopropyl alcohol is isopropyl alcohol is a regulated material and containers in accordance with all local, istate and federal regulations. I transport No information available Mobility in soil No information available Bioaccumulative potential: No information available No information available I transport is a regulated material for domestic ground transporation, per CFR Title 49. UN Number: UN1219 Prop	Effects of Over Exposur	<u>e:</u>				
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Ingestion: May be harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting, stomach cramps, diarrhea. May cause kidney damage. May cause kidney damage. May cause kidney damage. May cause certral nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, nausea. Advanced stages may cause collapse, unconsciousenes, coma, death. Chronic Effects: May aggravate pre-existing skin disorders, eye disorders, respiratory system disease Reproductive Effects: No information available Carcinogenicity: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable. Toxicity Data: LD50 (oral, rat) 16000 pm/8H LD50 (oral, rat) 5000 mg/kg LD50 (skin, rabbit) 12800 mg/kg LD50 (skin, rabbit) LD50 (skin rabbit) LD50 (skin rabbit) LD50 (skin rabbit) No information available No informatio	Skin Contact:	May cause skin irritation. Prolonged contact may cause dermatitis.				
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15. REGULATORY INFORMATION						
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	15. REGULATORY INFO	DRMATION				

Isopropyl alcohol is listed in the TSCA inventory and in SARA 313.

16. OTHER INFORMATION

OSHA SDS IPA-SAN 70

NE = Not established, NA = Not applicable or Not available The information presented above is offered for informational purposes only. This SDS, and the associated product, is intended for use only by technically qualified persons, and at their own discretion and risk. Since conditions and manner of use are outside the control of Mark Supply, Inc., we make no warranties, either expressed or implied, and assume no liability in connection with any use of this information.

***** END OF SDS *****