

1. Identification of Substance / Preparation and Company

Part Number PS-911EB

Product Description 70% Isopropyl Alcohol, 30% Deionized Water

Manufacturer Contec, Inc.
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2. Composition / Information on Ingredients

Hazardous Ingredients	Concentration (% by volume)	CAS Number
Isopropyl Alcohol (2-propanol)	70%	67-63-0

3. Hazards Identification

Emergency Overview Caution! Extremely flammable liquid and vapor. Vapor may cause flash fire. Causes eye irritation. May cause skin irritation. Vapors may cause drowsiness and dizziness. Vapor is heavier than air and can travel considerable distance to a source of ignition and flash back.

Potential Health Effects

Eyes Contact with eyes may cause moderate to severe irritation.

Skin May cause moderate to severe irritation. Repeated exposure may cause a burning sensation and dryness or cracking.

Inhalation Slightly irritating to respiratory system. Vapors may cause a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing. If material enters lungs, may cause coughing, choking, wheezing, difficulty breathing, chest congestion, shortness of breath, and/or fever. Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea, and loss of coordination.

Ingestion Harmful: May cause lung damage if swallowed.

4. First Aid Measures

Eye Contact Check for and remove contact lenses. In case of contact with eyes, immediately flush thoroughly with water for at least 15 minutes. Seek medical attention.

Skin Contact Wash thoroughly with soap and water. Remove and dispose of contaminated clothing. Seek medical attention if symptoms appear.

Inhalation If inhaled, remove to fresh air. If rapid recovery does not occur, seek medical attention.

Ingestion Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention.

5. Fire Fighting Measures

Flammable Limits	2% (LEL) 12.7% (UEL)
Flash Point	73°F (23°C)
Fire and Explosion Hazards	Ignition may occur at temperatures below the published auto-ignition or ignition temperatures. Vapors may cause fire, and can flash back over considerable distances. Avoid heat, sparks and open flames.
Specific Hazards	This product can present a dangerous fire and explosion hazard.
Extinguishing Media	Approved extinguishing media includes dry chemical powder, carbon dioxide and alcohol foam.
Unsuitable Extinguishing Media	Do not use water in a jet.
Protective Equipment for Fire Fighters	Special protective equipment for fire response includes full "turn-out" gear and self-contained breathing apparatus.
Additional Advice	Water spray can be used to cool fire-exposed containers and to disperse vapors.

6. Accidental Release Measures

Containment Procedures	Spills are very unlikely, because the wiper fabric has absorbed the liquid solvent solution. In the event of a spill, evacuate the area of all unnecessary personnel. Wear suitable protective equipment as listed under <i>EXPOSURE CONTROLS / PERSONAL PROTECTION</i> . Eliminate all sources of ignition. Contain the spill and eliminate its source, if this can be done without risk.
Clean-up Procedure	Take up and containerize for proper disposal as described under <i>DISPOSAL CONSIDERATIONS</i> . Comply with all government regulations on reporting releases.

7. Handling and Storage

Handling Procedures	Keep container closed when not in use. Avoid breathing vapors, avoid prolonged or repeated skin contact, and avoid eye contact by wearing PPE and using in an area with sufficient air exchange. Electrically ground all equipment when handling this product.
Storage Procedures	Keep away from oxidizing agents. Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Storage temperature: Ambient.

8. Exposure Controls / Personal Protection
Component Exposure Limits

ACGIH TLV	TWA 200 ppm @ 8 hours
	STEL 400 ppm @ 15 minutes
OSHA PEL	TWA 400 ppm @ 8 hours
NIOSH REL	TWA 400 ppm @ 10 hours
	STEL 500 ppm @ 15 minutes
Engineering and administrative controls	Adequate explosion-proof ventilation to control airborne concentrations below the exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.
Personal Protective Equipment	Gloves (butyl rubber, polyvinyl alcohol or equivalent) should be worn to prevent skin contact. Safety glasses with side shields must be worn at all times. If splash hazard exists, safety eyewear should be upgraded to include chemical splash goggles.

Hygiene Wash hands thoroughly after handling. Do NOT take internally. Eyewash and safety equipment should be readily available.

Respiratory A respirator is not needed under normal and intended conditions of product use.

9. Physical and Chemical Properties

The following delineates the physical and chemical properties for the wipe presaturation solution, which contains a volumetric blend of 70% Isopropyl Alcohol and 30% Deionized Water:

Flash Point	73°F (23°C)
Boiling Point	87° to 89°C (189 to 192°F)
Specific Gravity	0.872 (H ₂ O = 1) at 20 °C
Autoignition Temperature	Not available
Vapor Pressure	3,700 Pa (28 mmHg) at 20°C
Percent Volatile	100 % by volume
Vapor Density	>1 (AIR = 1)
Evaporation Rate	>1 (ASTM D-3539) (Butyl Acetate = 1)
Solubility in Water	Completely miscible
Solubility in Other Solvents	Alcohols completely miscible.
Appearance and Odor	Clear, colorless liquid with a characteristic odor.

10. Stability and Reactivity

Chemical Stability	This product is considered stable. Hazardous polymerization will not occur.
Conditions to Avoid	Avoid contact with heat and ignition sources. Avoid acids, strong oxidizing agents, halogenated compounds and aldehydes.
Hazardous decomposition products	Include carbon monoxide and carbon dioxide.

11. Toxicological Information

Acute Skin Toxicity	Not available
Acute Oral Toxicity	(Human): LDLO: 3,570 mg/kg; (Rat): LD50: 5,045 mg/kg
Acute Inhalation Toxicity	(Rat): LC50: 16,000 ppm / 8 hours
Skin Irritation	Not available
Eye Irritation	Not available
Other Information	Not available

12. Ecological Information

General Product Information	Do not allow product to contaminate ponds, watercourses, soils or drains. Do not dispose of product down the drain.
Component Analysis – Ecotoxicity – Aquatic Toxicity	Not available
Environmental Fate	Readily biodegradable meeting the 10 day window criterion. Not expected to bioaccumulate significantly.

13. Disposal Considerations

Product may be disposed of through incineration, if governmental regulations permit. Always contact a licensed, permitted Treatment, Storage and Disposal Facility to assure compliance with all local and state governmental regulations.

14. Transportation Information

DOT Proper Shipping Name	Consumer Commodity
DOT Hazard Class	ORM-D
DOT Packing Group	N/A
IATA Proper Shipping Name	Consumer Commodity
IATA Hazard Class/Division	9
IATA Packing Group	N/A
IMDG Proper Shipping Name	Solids Containing Flammable Liquids, n.o.s. (Isopropanol)
IMDG Hazard Class/Division	4.1
IMDG Packing Group	II
Marine Pollutant	No
UN Number	UN3175 (Limited Quantity)

15. Regulatory Information**Hazard Symbol:**

F Highly Flammable
Xi Irritant

R Phrases:

R11 Highly flammable
R36 Irritating to eyes
R67 Vapors may cause drowsiness and dizziness.

S Phrases:

S2 Keep out of reach of children
S7 Keep container tightly closed
S16 Keep away from sources of ignition - No smoking
S24/25 Avoid contact with skin and eyes
S26 In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice

16. Other Information

NFPA Ratings	Health - 1; Flammability - 3; Reactivity - 0.
WHMIS Classification	Class B: Flammable and Combustible Material Class D: Poisonous and Infectious Materials
Master MSDS Generation Date	July 30, 2012
MSDS Latest Review Date:	May 11, 2012

To the best of our knowledge the facts given are correct. However, the information is given without warranty as to its accuracy.