

**1. Identification of Substance / Preparation and Company**

**Part Number** SWC30085

**Product Description** Wipes presaturated with Isopropyl Alcohol.

**Manufacturer** Contec, Inc.  
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**In case of Emergency** Chemtrec<sup>®</sup>  
US: 1-800-424-9300  
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**2. Composition / Information on Ingredients**

<b>Hazardous Ingredients</b>	<b>Concentration (% by volume)</b>	<b>CAS Number</b>
Isopropyl Alcohol (2-propanol)	100%	67-63-0

**3. Hazards Identification**

**Emergency Overview** Flammable liquid and vapor. Electrostatic discharge may cause fire.  
Causes eye 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** Irritating to eyes. May cause burning sensation, redness, swelling, and/or blurred vision.

**Skin** Repeated exposure may cause a burning sensation and dryness or cracking.

**Inhalation** Vapors may cause drowsiness, dizziness, and other symptoms of central nervous system (CNS) depression such as headache, nausea, and lack of coordination.

**Ingestion** Harmful: May cause lung damage if swallowed.

**4. First Aid Measures**

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

**Skin Contact** Wash thoroughly with soap and water. 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% (UEL)

**Flash Point** 65°F (18°C) (Abel)

**Fire and Explosion Hazards** Vapors may form explosive mixtures with air. Flashback possible over considerable distance.

**Specific Hazards** This product can present a dangerous fire and explosion hazard.

- Extinguishing Media** Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.
- 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 *EXPOSURE CONTROLS / PERSONAL PROTECTION*. 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 *DISPOSAL CONSIDERATIONS*. 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 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 aerosols, flammables, oxidizing agents, corrosives, and from products harmful or toxic to man or to the environment. 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

<b>ACGIH TLV</b>	TWA	200 ppm
	STEL	400 ppm
<b>OSHA</b>	PEL	400 ppm
	TWA	400 ppm
	STEL	500 ppm

- 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 (longer term protection: natural rubber, butyl rubber, incidental contact/splash protection: neoprene rubber, Viton®) 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 is isopropyl alcohol:

<b>Flash Point</b>	65°F (18°C) (Abel)
<b>Boiling Point</b>	82° to 83°C (180 to 181°F)
<b>Melting / Freezing Point</b>	-88°C (126°F)
<b>Specific Gravity</b>	0.78-0.79 (H <sub>2</sub> O = 1) at 20°C
<b>Autoignition Temperature</b>	425°C (797°F) per ASTM E-2155
<b>Vapor Pressure</b>	4,100 Pa at 20°C
<b>Percent Volatile</b>	100 % by volume
<b>Vapor Density</b>	2 (AIR = 1) at 20°C
<b>Evaporation Rate</b>	1.5 (ASTM D-3539) (Butyl Acetate = 1)
<b>Solubility in Water</b>	Completely miscible
<b>Appearance and Odor</b>	Clear, liquid with a characteristic odor.

**10. Stability and Reactivity**

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

**11. Toxicological Information**

<b>Acute Skin Toxicity</b>	(Rabbit), LD50 = >2000 mg/kg; Low toxicity
<b>Acute Oral Toxicity</b>	(Rat): LD50: >2000 mg/kg; Low toxicity
<b>Acute Inhalation Toxicity</b>	(Rat): LC50: >5000 ppm / 1 hours; Low toxicity
<b>Skin Irritation</b>	Not irritating. Prolonged or repeated contact may cause defatting of the skin which can lead to dermatitis.
<b>Eye Irritation</b>	Irritating.
<b>Respiratory Irritation</b>	Inhalation of vapors or mists may cause irritation to the respiratory system.
<b>Other Information</b>	Not a skin sensitizer. Not classifiable as to carcinogenicity to humans per IARC 3. Causes foetotoxicity in animals at doses which are maternally toxic.

**12. Ecological Information**

<b>General Product Information</b>	Do not allow product to contaminate ponds, watercourses, soils or drains. Do not dispose of product down the drain.
<b>Aquatic Toxicity</b>	Low acute toxicity to fish and aquatic invertebrates
<b>Environmental Fate</b>	If product enters soil, it will be highly mobile and may contaminate groundwater. Readily biodegradable meeting the 10 day window criterion. Oxidizes rapidly by photo-chemical reactions in air. 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**

<b>DOT Proper Shipping Name</b>	Consumer Commodity
<b>DOT Hazard Class</b>	ORM-D
<b>DOT Packing Group</b>	N/A
<b>IATA Proper Shipping Name</b>	Consumer Commodity
<b>IATA Hazard Class/Division</b>	9
<b>IATA Packing Group</b>	N/A
<b>IMDG Proper Shipping Name</b>	Solids Containing Flammable Liquids, n.o.s. (Isopropanol)
<b>IMDG Hazard Class/Division</b>	4.1 (Flammable Solids)
<b>IMDG Packing Group</b>	II
<b>Marine Pollutant</b>	No
<b>UN Number</b>	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 eyes, rinse immediately with plenty of water and seek medical advice.  
S37 Wear suitable gloves.

**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** September 6, 2012

**MSDS Latest Review Date:** August 16, 2013

To the best of our knowledge the facts given are correct. However, the information is given without warranty as to its accuracy. 3265