



CONTEC[®]

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

PART NAME: PS-919

PRODUCT DESCRIPTION: PROSAT ® Pre-saturated wipers containing a volumetric blend of 91% Isopropyl Alcohol and 9% Deionized Water.

MANUFACTURER:
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Concentration (% by volume)	CAS Number
Isopropyl Alcohol (2-propanol)	91%	67-63-0

3. HAZARDS IDENTIFICATION

Emergency Overview:

Vapors may cause drowsiness and dizziness.
Seek medical attention immediately after any first aid measures are applied.
This product contains flammable liquid and may release flammable vapor.

Potential Health Effects:

Eyes: Contact with the eyes may result in moderate to severe irritation.

Skin: Contact skin may result in moderate to severe irritation.

Inhalation: High vapor concentrations may cause moderate to severe irritation of respiratory tract. If inhaled or swallowed, nausea, intoxication, central nervous system depression and headache may result.

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.
Skin contact:	Wash thoroughly with soap and water. Remove and dispose of contaminated clothing. Seek medical attention if symptoms appear.
Inhalation exposures:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

5. FIRE FIGHTING MEASURES

Flammable Limits:	2 % (LEL)	12.7 % (UEL)
Flash Point:	59°F	
Fire and Explosion Hazards:	Ignition may occur at temperatures below published auto-ignition or ignition temperatures. Vapor may cause fire. Keep away from heat, sparks, and flame. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation Wash thoroughly after handling.	
Specific Hazards:	This product can present a dangerous fire and explosion hazard.	
Extinguishing Media:	Approved extinguishing media includes dry chemical, 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. Vapor can travel distances to ignition source and flash back.	

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. Do NOT breathe vapors. Do NOT get in eyes. Avoid prolonged or repeated skin contact. Electrically ground all equipment when handling this product.
Storage Procedures:	Store in a cool area away from ignition sources and oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:

ACGIL 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: Transfer material in an approved fume hood or with adequate ventilation.

Personal Protective Equipment: Gloves (butyl rubber, PVC 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 wiper presaturation solution:

Flash Point	15°C (59°F)
Boiling Point	82.3 to 100°C (180 to 212°F)
Specific Gravity	0.805 (H ₂ O = 1)
Vapor Pressure	4.1 to 4.4 kPa (31 to 33 mm Hg) at 20 °C
Percent Volatile	100 % by volume
Vapor Density	>1 (AIR = 1)
Evaporation Rate	2.0 (Butyl Acetate = 1)
Appearance and Odor	Clear, colorless liquid, typical hydrocarbon 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, aldehydes, halogens and oxidizers.

Hazardous decomposition products: Include carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: (Human): LDLO: 3,570 mg/kg

Oral (Rat): LD50: 5,045 mg/kg

Acute Inhalation Toxicity: (Rat): LC50: 16,000 ppm / 8 hours

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.

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. TRANSPORT 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

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

16. OTHER INFORMATION

NFPA Ratings: Health - 1; Flammability - 3; Reactivity - 0.

WHMIS Classification:

Class B: Flammable and Combustible Material, Division 4
Class D: Poisonous and Infectious Materials, Division 2

Date: 10 March 2009

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