



SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

MANUFACTURER:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name: PROSAT ® and SATWIPES ® family of Presaturated Wipers,
containing a volumetric blend of 5% Isopropyl Alcohol and 95% Deionized Water.

Part Numbers: PS-PN-595, PSCS0005, PSCS0006, PSPS0007, PSPS0039, PSPS0046,
SAT-C1-595, SW420029, SWC30025, PSCS1006

Hazardous Ingredients	Concentration (% by volume)	CAS Number
Isopropyl Alcohol (2-propanol)	5%	000067-63-0

3. HAZARDS IDENTIFICATION

- Combustible liquid and vapor.
- Contact may cause eye injury and skin irritation.
- Harmful if inhaled or swallowed. May cause nausea, intoxication, central nervous system depression, headache, decreased blood rate, coma.
- High vapor concentrations may cause irritation of eyes and respiratory tract.

4. FIRST AID MEASURES

NEVER give fluids or induce vomiting if patient is unconscious or is having convulsions.

- Get medical assistance for all cases of overexposure.
- Skin Contact: wash thoroughly with soap and water.

- Eye Contact: immediately flush thoroughly with water for at least 15 minutes.
- Inhalation: remove to fresh air; give artificial respiration if breathing has stopped.
- Ingestion: if conscious, drink water and induce vomiting immediately as directed by medical personnel.

5. FIRE FIGHTING MEASURES

- Flammable Limits: 2 % (LEL) 12 % (UEL)
- Extinguishing Media: dry chemical; carbon dioxide; “alcohol” foam; water spray to cool fire-exposed containers and to disperse vapors.
- Special Protective Equipment: self-contained breathing apparatus.
- Fire and Explosion Hazards: Dangerous fire and explosion hazard. Vapor can travel distances to ignition source and flash back. Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below published autoignition or ignition temperatures. Ignition temperatures decrease with increasing vapor volume and vapor / air contact time and are influenced by pressure changes. Ignition may occur at typical elevated temperature process conditions, especially in process equipment operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs.
- Hazardous Decomposition Products: carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

- Spill Response: spills are unlikely with presaturated wipers, 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. Take up and containerize for proper disposal as described under Disposal Considerations. Comply with all government regulations on reporting releases.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- If workplace exposure limits are exceeded (reference TLV / PEL), a NIOSH / MSHA approved air supplied respirator is advised in absence of proper environmental

control. Engineering and administrative controls should be implemented to reduce exposure. Transfer material in an approved fume hood or with adequate ventilation.

- Protective Gloves (butyl rubber, PVC or equivalent) should be worn to prevent skin contact.
- Safety glasses with side shields must be worn at all times.
- Wash thoroughly after handling. Do NOT take internally. Eyewash and safety equipment should be readily available.
- OSHA PEL and ACGIH TLV for **Isopropyl Alcohol**: 400 ppm (980 mg/m³) 8 hour Time Weighted Average and 500 ppm (1225 mg/m³) Short Term Exposure Limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

- The following delineates the physical and chemical properties for the wiper presaturation solution, which is a volumetric blend of 5% Isopropyl Alcohol and 95% Deionized Water:

Flash Point:	51 to 52.8°C (124 to 127°F)
Boiling Point:	99 to 100°C (210 to 212°F)
Melting Point:	-5.3 to -4.4°C (22 to 24°F)
Specific Gravity	0.978 to 0.987 (H ₂ O = 1)
Vapor Pressure	2.5 kPa (18.4 mm Hg) at 20°C
Percent Volatile	100 % by volume
Vapor Density	>1 (AIR = 1)
Evaporation Rate	<1 (Butyl Acetate = 1)
Appearance	clear, colorless liquid, typical hydrocarbon odor.

10. STABILITY AND REACTIVITY

- Stability: stable; hazardous polymerization does not occur.
- Conditions to avoid: heat, contact with ignition sources.
- Materials to avoid: acids, oxidizers, halogens and halogen compounds, aldehydes.

11. TOXICOLOGICAL INFORMATION

- Oral (Human): LD50: 3570 mg/kg Oral (Rat): LD50: 5045 mg/kg
Inhalation (Rat): LC50: 16000 ppm / 8 hours

12. ECOLOGICAL 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

- Consult shipper for labeling information and other requirements.

15. REGULATORY INFORMATION

- Hazard Symbol:
Xi Irritant
- R Phrases:
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 - 2; Reactivity - 0.
- Date: July 21, 2004
- To the best of our knowledge the facts given are correct. However, the information is given without warranty as to its accuracy.