

**STEVENS**

Material Safety Data Sheet

ISOPROPYL ALCOHOL PREP PADS

Section 1 - Product & Company Identification

Product Name	Stevens Alcohol Prep Pads
Product Use	Antiseptic Cleanser, Effective in destroying Bacteria & removing impurities
Manufacturer	THE STEVENS COMPANY LTD.
Address	425 Railside Drive, Brampton, Ontario, L7A 0N8
Phone#	905-791-8600
Fax#	905-791-6143
Web-site	stevens.ca
Preparation Date of MSDS	October 1, 2011

Section 2 - Composition/Information of Ingredients

Chemical Name	Isopropyl Alcohol	Purified Water
CAS#	67-63-0	7732-18-5
VOL%	70	30
Chemical Family	Alcohol	N/A
Chemical Formula	C ₃ H ₈ O	H ₂ O
Synonyms	Isopropanol, 2-Propanol, propan-2-ol, IPA	Distilled water or Purified H ₂ O DI H ₂ O or D/W, DI Water
OSHA PEL	400 ppm	N/A
ACGIH TLV-TWA	400 ppm	N/A
ACGIH TLV-STEL	500 ppm	N/A

Section 3 - Hazards Identification

Inhalation	It may cause Low to moderate Toxicity. Inhalation of vapors may be irritating for the respiratory tract.
Ingestion	Toxic by ingestion. And may cause irritation of gastro-intestinal tract, nausea, vomiting, diarrhea and headache, however this is not a normal route of entry for Alcohol swabs.
Skin contact	Frequent or prolonged use may cause irritation, redness and dermatitis.
Eye Contact	May cause irritation and lead to damage eye tissues if exposure persists.
Medical conditions aggravated by Exposure	Persons with pre-existing dermal disorders may experience some skin effects.

**Section 4 - First Aid Measures**

Inhalation	Remove to the fresh Air. If condition persists, obtain prompt Medical attention.
Ingestion	Not a normal route of exposure. However if ingested, remove swab and rinse mouth with large amount of water. Obtain prompt Medical attention.
Skin Contact	Flush with water. Contact the physician if condition persists.
Eye Contact	Flush with water for several times until irritation subsides. If irritation persists, obtain prompt Medical attention.

Section 5 - Fire fighting Measures

Flash Point (IPA)	53°F/ 12°C (closed Cup)
Auto ignition Temperature (IPA)	750°F/ 399°C
Flammable Limits (%Vol. In Air) (IPA)	Lower: 2, Upper: 12.7@ 200°F/ 93°C
Hazardous Combustion Products (IPA)	Fumes, Smoke, Carbon oxides
Extinguishing Media (IPA)	Carbon Dioxide, Alcohol foam, Dry Chemical, Water spray
Special Fire Fighting Procedures (IPA)	Fire fighters need to have full protective equipment. Respirators required for the fire fighting personnel. Water spray May be used to minimize vapors and cool containers exposed to heat and flame.
Unusual fire and Explosion Hazards (IPA)	As a flammable liquid, this material may be ignited by heat, spark, flame or static discharge.
NFPA estimated Rating (IPA)	Health: 1 Flammability: 3 Reactivity: 0

Section 6 - Accidental Release Measures

Spill Control	Due to the product nature, the chance of a spill is negligible. However, in case of spilling, consider the following precautions.
Precautions	Isolate Hazard area. Wear proper protective dress. Attempt to stop leak. Remove all ignition sources. Try to flush spills away from exposures. Ventilate area.
Clean-up Methods	Use non-sparkling tools and equipments for cleaning. Collect and place swabs in a Proper waste container.

Section 7 - Handling & Storage

Handling	Handle with cautions as the product contains flammable liquid. Do not use around sources of heat, sparks. Follow the related regulations.
Storage	Store Product in a cool, dry, well-ventilated Place, away from heat and sources of sparks, ignition & sunlight. Protect from physical damage.



Section 8 - Exposure Control/ Personal Protection

Personal Protective Equipment	Use of impervious protective cloths, footwear, gloves, and approved safety chemical goggles for eyes is recommended.
Engineering Control	Apply adequate ventilation, Ensure electrical sources are safe

Section 9 - Physical & Chemical Data

Chemical Name	Isopropyl Alcohol	Purified Water	70%IPA swabs	
Physical state	Clear, volatile, flammable liquid	Clear Liquid	Individually sealed, Alcohol impregnated swabs	
Odor	Rubbing Alcohol	Odorless	No odor when swab is sealed	Rubbing Alcohol odor when pouch opens
Color	Colorless	Colorless	White	
Vapor Pressure	44 mm Hg @ 77°F/25°C	ND	N/A	
Vapor Density	2.1	ND	N/A	
Molecular Weight	60.09	18	N/A	
Boiling Point	180.32°F/82.4°C@760mm Hg	212°F/100°C	N/A	
Melting Point	-127.3°F/-88.5°C	32°F/0°C	N/A	
Specific Gravity	70% IPA: 0.878@20°C 99% IPA: 0.787@20°C	1	N/A	
Evaporation Rate (n-Bu Acetate=1)	2.83	ND	N/A	
Solubility	Miscible with Water, ethyl ether & ethyl Alcohol	N/A	N/A	

Section 10 - Stability & Reactivity Data

Chemical Stability	Stable
Conditions to Avoid	Sources of ignition, Sparkle, flame, sunlight and heat
Materials to Avoid	Strong oxidizers, acids, Chlorine, Carbon Monoxide
Hazardous decomposition or by-Product	Carbon Monoxide and Carbon Dioxide fumes if heated to decomposition
Hazardous Polymerization	Will not occur

Section 11 - Toxicology Data

Toxicity, LD/50, Oral, Rat	5045 Mg/Kg
Toxicity, LD/50, Dermal, Rabbit	12800 Mg/Kg
Toxicity, LC/50, 8hrs. Rat	12000 ppm
Listed as Carcinogen	NTP: None IARC: None

**Section 12 - Ecological Information**

Persistence and degradability	½ life between 1-10 days
Bio-accumulation	ND
Aquatic Toxicity	Not classified as dangerous to aquatic organisms

Section 13 - Disposal Considerations

Disposal Preparation	Collect in the proper designated area for recycling or as a waste material
Waste Disposal	To be disposed in accordance with the local, provincial, state and federal regulations.

Section 14 - Transportation Information

UN Classifications	 Flammable Solid
	UN 3175 Solids containing flammable liquid
IATA Regulations	A46 Providing there is no free liquid visible at the time the substance packaged and the packaging is passed a leakproofness test at the time of packaging, this product is not subject to the regulations of dangerous goods and flammable liquids and may be transported under this entry without first applying the classification criteria of Div. 4.1 . Small inner packages of the Isopropyl Alcohol Prep Pads are consisting of 0.55ml of group III flammable liquid absorbed into the nonwovens .

Section 15 - Regulatory Information

WHMIS Classification (CANADA)	 B-4 Class B: Flammable and Combustible Materials Division 4: Flammable Solid
SARA (USA)	None of the chemicals in this product listed/reported
TSCRA (USA)	All of the chemicals in this product listed

Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements. The buyer assumes all risk of use, storage and handling to comply with local, provincial/state and federal regulations. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages, which may result from the use of or reliance on any information, contained in this form. If user requires independent information on this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSTS in Montreal, Quebec (514-873-3990).