

MATERIAL SAFETY DATA SHEET

Product : ISO wipes 75 Canister / Refill

Revision date : 01/12/2012

Section 1 : Product Identification and supplier

Product names (code) : Isopropanol wipes 75 count canister and refill. (ISO75 + ISO75R)

Applications : Disinfecting and debris free surface cleaning for hard surfaces and electro fusion jointing pre-cleaning.

Supplier : Saffire Blue, Inc.
1444 Bell Mill Road
Tillsonburg, ON N4G 4G9 Canada
Tel: 519-286-0295
Toll Free: 877-248-1115

CAS number (67-63-0)	Chemical name 2-propanol	Percentage by weight 70%	ACGIH TWA 400 ppm	Osha Pel 400 ppm	Osha Stel 500 ppm
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WHMIS codes : B2, D2B

NFPA (NMIS) ratings Health 1 (1) Flammability 3 (3) Reactivity 0 (0)

Eyes : May cause eye irritation.

Skin : May cause skin irritation.

Inhalation : May cause respiratory tract irritation.

Ingestion : May be harmful if ingested.

Chronic : Skin contact over a long period may cause dermatitis.

Section 3 : First aid Measures

Eyes : Remove contact lenses. Flush with water. Get medical aid.

Skin : Wash skin with soap and water. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air.

Ingestion: Do not induce vomiting. If conscious , give 1-2 glasses of water. Get medical aid.

Section 4 : Fire fighting measures

Auto ignition temperature : 399 deg C **Flash point :** 12 deg C / 54 deg F **LEL/UEL:** 2/12

Extinguishing media : Use water spray, dry chemical, carbon dioxide, or chemical foam.

General information : Will burn if involved in a fire.

Section 5 : Accidental release measures

Spillage procedure : Ensure adequate ventilation. Stop and remove sources of leakage. Avoid all ignition sources.

Section 6 : Handling and Storage

Handling : Wash thoroughly after handling. Avoid contact with eyes. Keep containers closed after use.

Storage : Keep away from sources of ignition and heat. Avoid physical damage to containers and store in cool,dry and well-ventilated area.

Section 7 : Exposure control and personal protection

Ventilation : Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal protection : Wear appropriate protective eye glasses or chemical safety goggles. Wear rubber gloves for sensitive skin.

Section 8 : Physical and chemical protection

Appearance & Odour :	Moist white fabric with alcohol odour.
Solubility :	Fabric insoluble in water. Isopropanol highly miscible in water.
Evaporation rate:	1.5 (Butyl Acetate = 1)
Boiling point :	82 deg C (Isopropanol)
Specific gravity :	0.875 @ 20 deg C
Vapour pressure :	40 mmHg @ 23.8degC
Vapour density :	2.1 (Air = 1)
pH :	approx. 7 (Isopropanol)

Section 9 : Stability and Reactivity

Stability:	Stable at normal temperatures and pressures.
Conditions to avoid :	Temperatures over 40 deg C, ignition sources, and incompatible substances.
Incompatibilities :	Strong oxidisers, acetaldehyde, chlorine, ethylene oxide, acids and isocyanates, hydrogen + Palladium, nitroform, oleum, phosgene, oxygen, aluminum, aluminum triisopropoxide, Trinitromethane, barium perchlorate, tetrafluoroborate, chromium trioxide, sodium dichromate + sulphuric acid.
Polymerisation :	Will not occur.
Decomposition :	Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Section 10 : Toxicological information

Swallowed	Minor quantities may cause minor throat irritation and vomiting. Large quantities may cause stomach pains, cramps, nausea, vomiting and narcotic effects (drowsiness and may lead to coma and death).
Eye	The vapour is irritating to eyes at concentrations above 400 ppm. Direct contact with the product may cause eye irritations, including pain and redness.
Skin	Brief exposure to vapour and liquid are not irritating but prolonged contact (Eg clothing saturated with the product) can be irritating.
Inhaled	Minor irritation to the nose, throat, and upper respiratory tract can occur at concentrations above 400 ppm. Higher concentrations can cause drowsiness, headache, intoxication and unconsciousness.
Acute effects- Acute toxicity :	LD50/oral/rat/4396 mg/kg (Isopropanol) LD50/Dermal/rat 12870 mg/kg, (Isopropanol) LC50 inhalation/ rat 72.6 mg/l 4 h (Isopropanol) Irritant dose/dermal/rabbit 500 mg/ 24 hours (Isopropanol) Irritant dose/ocular/rabbit 0.1 ml (Isopropanol)

Not listed as Carcinogen

Long term effects chronic : Prolonged or repeat skin contact may result in dermatitis due to defatting. Some animal Isopropanol exposure studies have noted increased kidney and liver weights in exposed animals but no observable relevant pathology. With particular relevance to the liver, this weight change can be considered more as a metabolic response rather than a toxic effect of the alcohol. Occupational exposure to Isopropanol has not been reported as causing long term effects.

Section 11 : Ecological information

Eco toxicity : Toxicity to fish (acute) LC 50 Fathead minnow 11130 mg/l / 96 hr (Isopropanol)
Persistence and degradability Degree of elimination > 90 % (Solution only)
Mobility : No data is available on mobility in soil

Avoid run off into storms and sewages.

Section 12 : Disposal consideration

Dispose of in accordance with federal, state and local regulations. Used wipes can be disposed of with normal wastes. Product must not be disposed of to the sewerage system, drains or waterways.

Section 13 : Transportation information

UN number : N/A
Shipping name : N/A
Class : N/A
Package group : N/A
Hazchem code : N/A
EPG : N/A
Segregation dangerous goods N/A

Section 14 : Regulatory information

NOHSC = Hazardous ADG code = Not dangerous

Section 15 : Other information

References : National code of practice for the preparation of MSDS [NOHSC:2011(2003),(2) list of designated Hazardous Substance [NOHSC:10005:1999](3) ADG code 6th edition (4) Suppliers MSDS

Disclaimer : This MSDS is provided as a useful reference only based on the best information available. The users must refer to these information with due care when using and handling these goods and the company will not be liable for any loss or damage that may be caused.