



Becton, Dickinson and Company
BD, Franklin Lakes, NJ 07417 USA
www.bd.com

Version: 1.0
Revision Date: 04.12.2015

Product name: SWAB ALCOHOL 100 PACK CANADA
Product No.: 326910

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SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: SWAB ALCOHOL 100 PACK CANADA **Product No.:** 326910
Manufacturer/Supplier: **Telephone:** 1 201 847 6800
Becton Dickinson-Diabetes Care
1 Becton Drive
Franklin Lakes, NJ
07417
Contact Person: Regulatory Affairs **Emergency telephone:** ChemTrec 1 800 424 9300
E-mail:

Intended Use: Skin Antiseptic

2 HAZARDS IDENTIFICATION

Emergency Overview

Appearance:
Color: Colorless
Form : liquid
Odor: Slight odor of alcohol

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information:

Hazardous Component(s):

Chemical name	CAS-No.	Concentration
2-Propanol	67-63-0	70%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4 FIRST AID MEASURES

General: Get medical attention if symptoms occur. For breathing difficulties, oxygen may be necessary.

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin Contact: No specific precautions due to the small quantities handled.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.



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Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

5 FIRE-FIGHTING MEASURES

Extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Unusual Fire & Explosion Hazards: Fire causes formation of toxic gases. The product can form flammable mixtures and can burn only when heated above the flash point.

Special fire fighting procedures: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Protective Measures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental Precautions: Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

Spill Cleanup Methods: Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash contaminated area with water.

7 HANDLING AND STORAGE

Handling: Provide adequate ventilation. Avoid eating, drinking and smoking when using the product.

Storage: Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:



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Chemical name	type	Exposure Limit Values	Source
2-Propanol	STEL	400 ppm 984 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
	TWA	200 ppm 492 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
2-Propanol	TWA	200 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	STEL	400 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Propanol	TWAEV	200 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEV	400 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
2-Propanol	STEL	500 ppm 1,230 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	400 ppm 983 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Respiratory Protection: No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Eye Protection: Use eye protection.

Hygiene measures: Observe good industrial hygiene practices. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: liquid
Form: liquid
Color: Colorless



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Odor:	Slight odor of alcohol
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	-29 °C
Boiling Point:	82 °C
Flash Point:	18 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	12.7 %(V)
Flammability Limit - Lower (%)-:	2 %(V)
Vapor pressure:	31 hPa (20 °C)
Vapor density (air=1):	No data available.
Relative density:	0.875
Solubility(ies)	
Solubility in Water:	Completely soluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Other information	
VOC Content:	612.5 g/l
Minimum ignition temperature:	399 °C

10 STABILITY AND REACTIVITY

Possibility of hazardous reactions:	None under normal conditions.
Incompatible Materials:	Contact with acids. Strong oxidizing agents. Acid aldehydes. Halogenated materials. Aluminum.



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11 TOXICOLOGICAL INFORMATION

Specified substance(s)

Acute toxicity (Oral);

Name

2-Propanol

Test results

LD 50 (Rat): 5.84 g/kg (, No) 2 = reliable with restrictions

LD 50 (Rabbit): 5.03 g/kg

LD 50 (Rabbit): 8.0 g/kg

LD 50 (Rabbit): 6,410 mg/kg

LD 50 (Rat): 5,045 mg/kg

Acute toxicity (Dermal):

Name

2-Propanol

Test results

LD 50 (Rabbit): 12,800 mg/kg

Acute toxicity (Inhalation):

Name

2-Propanol

Test results

LOAEL (Rat, 6 h): 5000 ppm +/- 1 = reliable without restrictions

LOAEL (Rat, 6 h): 10000 ppm +/- 1 = reliable without restrictions

LC 50 (Rat, 6 h): > 10000 ppm 1 = reliable without restrictions

Inhalation:

No data available.

Ingestion:

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory sensitizer/Skin sensitizer:

Not a skin sensitizer.

Carcinogenicity:

No data available.

Mutagenesis:

No data available.

Reproductive toxicity:

No data available.



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12 ECOLOGICAL INFORMATION

General information: not applicable

Ecotoxicity:

Specified substance(s)

Acute toxicity(Fish):

Name

2-Propanol

Test results

LC 50 (Carp (Leuciscus idus melanotus), 48 h): 9,280 mg/l Mortality
 LC 50 (Fathead minnow (Pimephales promelas), 24 h): 10,600 mg/l Mortality
 LC 50 (Fathead minnow (Pimephales promelas), 24 h): 11,160 mg/l Mortality
 LC 50 (Fathead minnow (Pimephales promelas), 1 h): 11,830 mg/l Mortality
 LC 50 (Harlequinfish, red rasbora (Rasbora heteromorpha), 24 h): 7,100 mg/l Mortality

Acute toxicity(Aquatic Invertebrates):

Name

2-Propanol

Test results

LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality
 LC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality
 LC 50 (Common shrimp, sand shrimp (Crangon crangon), 48 h): 900 - 1,950 mg/l Mortality
 LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 750 - 1,650 mg/l Mortality

Persistence and Degradability: The product is expected to be slowly biodegradable.

Bioaccumulative Potential: No data available.

Mobility: No data available.

13 Disposal considerations

Disposal methods: Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

Other information

Special Provision 216: Sealed packets and articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to the provisions of this Code provided there is no free liquid in the packet or article

Other information

Special Provision A46: Small inner packaging consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article

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15 REGULATORY INFORMATION

Canadian Controlled Products Regulations:

This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the SDS contains all required information.

WHMIS Classification:



B2, D2B: Flammable Liquids, Toxic material causing other toxic effects

16 OTHER INFORMATION

Revision Information:

Issue Date:

04.12.2015

Disclaimer:

Disclaimer:

The information contained herein has been obtained from various sources and is believed to be correct as of the date issued. However, neither BD nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability for a particular use of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. BD provides SDS in electronic form so the information may be more easily accessed. Due to the possibility of errors during transmission, BD makes no representations as to the completeness or accuracy of the information.