

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

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## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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### Material Name

WEBCOL/Curity Alcohol Prep Pads

### Trade Names

5033, 5110, 5750, 6818, 6818-1, 63001, 15033, 16818, 176818, 20339, 681812, 6818-2, 7MJ46621, 7MJ36339, 7RA58200, 7RA71200, 7RI43405, 7R145719, 7RI45720, 7RI45721, 7RI45722, 7RI82380, 7RI82402, 70Y33230, 985629, MKN42634, 693035, 121-6131, 6818M, GS42634

### Synonyms

Isopropyl Alcohol 65-75%

### Chemical Family

ISOPROPYL ALCOHOL

### Product Use

Skin preparation pads for use in medical applications

### Restrictions on Use

For use under medical supervision only.

### Manufacturer Information

Covidien, LP

15 Hampshire Street

Mansfield, MA 02048

USA

Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)

Email: customerservice@medtronic.com

Emergency Telephone Number:

CHEMTREC (800) 424-9300 (for US and Canada)

1(703) 527-3887 (Outside US and Canada)

Collect calls accepted

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## Section 2 - HAZARDS IDENTIFICATION

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### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

### GHS Label Elements

#### Symbol(s)



# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

**Signal Word**

Danger

**Hazard Statement(s)**

Highly flammable liquid and vapor  
Causes serious eye irritation

**Precautionary Statement(s)**

**Prevention**

Keep away from heat/sparks/open flame/hot surfaces - No smoking  
Wash thoroughly after handling

**Response**

In case of fire: Use appropriate media to extinguish  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Storage**

Store in a cool dry place

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent (%)
7732-18-5	Water	25 - 35
67-63-0	Isopropyl alcohol	65 - 75

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## Section 4 - FIRST AID MEASURES

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**Inhalation**

Not a likely route of exposure.

**Skin**

It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

If swallowed, get medical attention.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects**

**Acute**

Causes serious eye irritation.

**Delayed**

No information on significant adverse effects.

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## Section 5 - FIRE FIGHTING MEASURES

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**Extinguishing Media**

**Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**Hazardous Combustion Products**

Oxides of carbon

**Advice for firefighters**

Avoid inhalation of material or combustion by-products.

**Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment.

**Methods and Materials for Containment and Cleaning Up**

Clear up spills immediately and dispose of waste safely.

**Environmental Precautions**

Avoid release to the environment.

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## Section 7 - HANDLING AND STORAGE

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**Precautions for Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces.

**Conditions for Safe Storage, Including any Incompatibilities**

Store in a cool dry place

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

## Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Component Exposure Limits

Isopropyl alcohol	67-63-0
ACGIH:	200 ppm TWA
	400 ppm STEL
NIOSH:	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
	2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
Mexico:	400 ppm TWA LMPE-PPT; 980 mg/m <sup>3</sup> TWA LMPE-PPT
	500 ppm STEL [LMPE-CT]; 1225 mg/m <sup>3</sup> STEL [LMPE-CT]

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

#### Skin Protection

Not required.

#### Respiratory Protection

No respirator is required under normal conditions of use.

#### Glove Recommendations

Hand protection is not required.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Non-woven cloth saturated with liquid in foil package	<b>Physical State</b>	Liquid
<b>Odor</b>	Alcohol	<b>Color</b>	Colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

<b>Melting Point</b>	Not available	<b>Boiling Point</b>	82 °C (literature value)
<b>Freezing point</b>	-89 °C (literature value)	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	399 °C (literature value)	<b>Flash Point</b>	12 °C (estimate based on isopropyl alcohol)
<b>Lower Explosive Limit</b>	2 % (V)	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	12 % (V)	<b>Vapor Pressure</b>	33 mmHg (@ 20 °C - literature value)
<b>Vapor Density (air=1)</b>	2.1 (literature value)	<b>Specific Gravity (water=1)</b>	0.7855 (@ 20 °C - literature value)
<b>Water Solubility</b>	100%	<b>Partition coefficient: n-octanol/water</b>	0.05 (measured value)
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

## Other Information

No additional information available.

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

Not known to occur.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid direct sunlight.

### Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

### Hazardous decomposition products

Oxides of carbon

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

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## Section 11 - TOXICOLOGICAL INFORMATION

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### Information on Likely Routes of Exposure

#### Inhalation

Not a likely route of exposure.

#### Skin Contact

None known.

#### Eye Contact

Causes serious eye irritation.

#### Ingestion

None known.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 5045 mg/kg (Safety Data Sheet)

Dermal LD50 Rabbit 12800 mg/kg (Safety Data Sheet)

Inhalation LC50 Rat 1600 ppm 4 h (Safety Data Sheet)

#### Immediate Effects

Causes serious eye irritation.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Causes serious eye irritation.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

Isopropyl alcohol	67-63-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

#### Germ Cell Mutagenicity

No data available.

#### Reproductive Toxicity

No data available.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Specific Target Organ Toxicity - Single Exposure**

No information available.

**Specific Target Organ Toxicity - Repeated Exposure**

No information available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

May cause eye damage, eye disorders.

**Additional Data**

No additional information available.

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## Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

Isopropyl alcohol	67-63-0
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through]; LC50 96 h Pimephales promelas 11130 mg/L [static]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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## Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

Dispose in accordance with all applicable regulations.

# Safety Data Sheet

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## Section 14 - TRANSPORT INFORMATION

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### US DOT Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN/NA #:** Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### IATA Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IATA, Special Provision A46

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** Consult current IATA regulations prior to shipping by air

### IMDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IMDG Code, Special Provision 216

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### TDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Isopropyl alcohol	67-63-0
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)



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SDS ID: COV-001

## Not listed under California Proposition 65

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Isopropyl alcohol	67-63-0
	1 %

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## Section 16 - OTHER INFORMATION

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### Summary of Changes

New SDS: May 5, 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

### Other Information

#### Disclaimer:

The information and recommendations in this safety data sheet are based on sources believed to be accurate as of the date of issue. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Covidien LP makes NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED and usage of this safety data sheet shall not establish a legal, contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Covidien LP assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Covidien LP assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Users should ensure that any use or disposal of the material is in accordance with applicable national, country, federal, state, and local laws, directives, orders and regulations.



# ChloroPrep<sup>®</sup> Solutions

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 30/03/2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : ChloroPrep Solutions

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Antimicrobial

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

CareFusion  
75 N. Fairway Drive  
Vernon Hills, IL 60061  
T 800-523-0502 - F 855-329-6985

#### 1.4. Emergency telephone number

Emergency number : **For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN702157  
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)  
Within EU: +(44)-870-8200418  
CHEMTREC UK (London): +(44)-870-8200418**

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP] and GHS US**

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

STOT SE 3 H335

Full text of H-phrases: see section 16

**Classification according to Directive 67/548/EEC or 1999/45/EC**

F; R11

Xi; R36

R67

Full text of R-phrases: see section 16

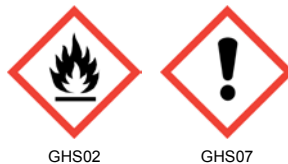
**Adverse physicochemical, human health and environmental effects**

No additional information available

#### 2.2. Label elements

**Labeling according to Regulation (EC) No. 1272/2008 [CLP] and GHS US**

Hazard pictograms :



GHS02

GHS07

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

# ChloroPrep® Solutions

## Safety Data Sheet

P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ventilating/lighting/... equipment  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 - Wash ... thoroughly after handling  
 P271 - Use only outdoors or in a well-ventilated area  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P312 - Call a POISON CENTER/doctor/... if you feel unwell  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P370+P378 - In case of fire: Use ... to extinguish  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
 P403+P235 - Store in a well-ventilated place. Keep cool  
 P405 - Store locked up  
 P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

ChloroPrep® Clear

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302

ChloroPrep® Hi-Lite Orange

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
FD and C Yellow No. 6	(CAS No) 2783-94-0 (EC no) 220-491-7	0 - 0.1	Not classified	Not classified	Not classified

ChloroPrep® Teal Green

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
C.I. Food Green 3	(CAS No) 2353-45-9 (EC no) 219-091-5	0 - 0.1	Not classified	Muta. 2, H341	Muta. 2, H341

Full text of R- and H- phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If symptoms of exposure develop, move to fresh air. Seek medical attention if symptoms persist.
- First-aid measures after skin contact : Wash material off the skin with copious amounts of water. If redness or a burning sensation develops, seek medical attention and discontinue use.
- First-aid measures after eye contact : Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15minutes. Have eyes examined and treated by medical personnel immediately.
- First-aid measures after ingestion : Give individual one to two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness and drowsiness.
- Symptoms/injuries after skin contact : May cause irritation, drying, defatting of the skin. Prolonged contact may cause dermatitis.
- Symptoms/injuries after eye contact : Contact may cause severe irritation with redness, tearing and pain with possible eye damage.
- Symptoms/injuries after ingestion : Ingestion may cause mucous membrane and gastrointestinal irritation, abdominal pain, nausea, vomiting, dizziness and drowsiness.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water fog, alcohol-resistant foam, carbon dioxide or dry chemical. Water spray can be used to cool exposed containers and structures, dilute spills and disperse flammable vapors.
- Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor. Ampoules may explode if exposed to extreme heat or flame. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back.
- Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No special measures required.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Stop the flow of material, if this is without risk.
- Methods for cleaning up : Wear skin, eye and respiratory protection during cleanup. For small spills, wipe or mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills, eliminate sources of ignition and ventilate spill area. Soak up liquid with inert absorbent and collect into a suitable waste container. Wash residue from spill area with water and flush to sewer serviced by a wastewater treatment facility if permitted.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid prolonged exposure (ingestion, inhalation, or skin contact). Avoid breathing vapors. Use in well-ventilated areas. Keep product away from heat, sparks and flames.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry, well-ventilated area away from incompatible chemicals and all sources of ignition.

# ChloroPrep® Solutions

## Safety Data Sheet

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Isopropyl alcohol (67-63-0)		
Austria	MAK (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (short time value for large casting)
Austria	MAK (ppm)	200 ppm (short time value for large casting)
Austria	MAK Short time value (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup> 2000 mg/m <sup>3</sup> (STEL for large casting valid till 12/31/2013)
Austria	MAK Short time value (ppm)	800 ppm 800 ppm (STEL for large casting valid till 12/31/2013)
Belgium	Limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	400 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	980.0 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	1225.0 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	500 ppm
Czech Republic	Exposure limits (PEL) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Denmark	Limit (long-term) (mg/m <sup>3</sup> )	490 mg/m <sup>3</sup>
Denmark	Limit (long-term) (ppm)	200 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	620 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VLE (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
France	VLE (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	25 mg/l (Medium: whole blood - Time: end of shift - Parameter: Acetone) 25 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Greece	OEL TWA (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	500 ppm
Hungary	Exposure Limit Value	500 mg/m <sup>3</sup>
Hungary	CK-érték	2000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	150 ppm

# ChloroPrep® Solutions

## Safety Data Sheet

Isopropyl alcohol (67-63-0)		
Lithuania	TPRV (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	250 ppm
Poland	NDS (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	203 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	800 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-ED (ppm)	200 ppm (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	400 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	TWA (AN) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
Norway	TWA (AN) (ppm)	100 ppm
Norway	TWA (Korttidsverdi) (mg/m <sup>3</sup> )	306.25 mg/m <sup>3</sup>
Norway	TWA (Korttidsverdi) (ppm)	150 ppm
Switzerland	VME (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Switzerland	VME (ppm)	200 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	400 ppm
Australia	TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
Australia	TWA (ppm)	400 ppm
Australia	STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Australia	STEL (ppm)	500 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	500 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	985 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	400 ppm
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	400 ppm
USA - IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>

# ChloroPrep® Solutions

## Safety Data Sheet

Isopropyl alcohol (67-63-0)		
USA - NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

Appropriate engineering controls	:	Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.
Hand protection	:	Latex rubber for limited contact. Butyl rubber or nitrile recommended for prolonged contact.
Eye protection	:	Safety glasses or goggles recommended if eye contact is possible.
Skin and body protection	:	Wear suitable working clothes.
Respiratory protection	:	If the exposure limits are exceeded a NIOSH/EN approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear in product; when activated, clear orange, teal
Color	:	Clear, orange, or teal
Odor	:	Odourless
Odor threshold	:	No data available
pH	:	7 - 7.5
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	19.4°C (67 °F)
Auto-ignition temperature	:	2 - 12.7
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	0.88
Solubility	:	Water: Complete
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

VOC content	:	100 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Extreme heat, sparks or flame.

### 10.5. Incompatible materials

Oxidizing materials

### 10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, chlorine compounds.

# ChloraPrep® Solutions

## Safety Data Sheet

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 inhalation rat (ppm)	16000 ppm (Exposure time: 8 h)

Chlorhexidine digluconate (18472-51-0)	
ATE (oral)	500.000 mg/kg

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable

C.I. Food Green 3 (2353-45-9)	
IARC group	3 - Not classifiable

FD and C Yellow No. 6 (2783-94-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness. May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Isopropyl alcohol (67-63-0)	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	> 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND / US DOT



# ChloraPrep® Solutions

## Safety Data Sheet

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### 14.1. UN number

UN-No. : 1219

### 14.2. UN proper shipping name

Proper Shipping Name : ISOPROPANOL (ISOPROPYL ALCOHOL)

### 14.3. Transport hazard class(es)

Transport hazard class(es) : 3

Danger labels : 3



### 14.4. Packing group

Packing group : II

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : F1

Special provision (ADR) : 601

Limited quantities (ADR) : 1L

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Mixed Portable tank and bulk container instructions (ADR) : T4

Mixed Portable tank and bulk container special provisions (ADR) : TP1

ADR tank codes (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC : •2YE

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Not subjected to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# ChloroPrep® Solutions

## Safety Data Sheet

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
 Contains no REACH candidate substance  
 Contains no REACH Annex XIV substances.

VOC content : 100 %

##### 15.1.2. National regulations

###### Germany

Water hazard class (WGK) : 2 - hazardous to water

#### 15.2. Chemical safety assessment

No additional information available

#### 15.3. US Federal regulations

Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

C.I. Food Green 3 (2353-45-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Chlorhexidine digluconate (18472-51-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

FD and C Yellow No. 6 (2783-94-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

#### 15.4. US State regulations

Isopropyl alcohol (67-63-0)	
U.S. - Massachusetts - Right To Know List	
U.S. - Minnesota - Hazardous Substance List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Muta. 2	Germ cell mutagenicity Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
R11	Highly flammable
R36	Irritating to eyes
R67	Vapors may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant

# Chloraprep® Solutions

## Safety Data Sheet

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

---

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

### Material Name

WEBCOL/Curity Alcohol Prep Pads

### Trade Names

5033, 5110, 5750, 6818, 6818-1, 63001, 15033, 16818, 176818, 20339, 681812, 6818-2, 7MJ46621, 7MJ36339, 7RA58200, 7RA71200, 7RI43405, 7R145719, 7RI45720, 7RI45721, 7RI45722, 7RI82380, 7RI82402, 70Y33230, 985629, MKN42634, 693035, 121-6131, 6818M, GS42634

### Synonyms

Isopropyl Alcohol 65-75%

### Chemical Family

ISOPROPYL ALCOHOL

### Product Use

Skin preparation pads for use in medical applications

### Restrictions on Use

For use under medical supervision only.

### Manufacturer Information

Covidien, LP

15 Hampshire Street

Mansfield, MA 02048

USA

Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)

Email: customerservice@medtronic.com

Emergency Telephone Number:

CHEMTREC (800) 424-9300 (for US and Canada)

1(703) 527-3887 (Outside US and Canada)

Collect calls accepted

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## Section 2 - HAZARDS IDENTIFICATION

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### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

### GHS Label Elements

Symbol(s)



# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

**Signal Word**

Danger

**Hazard Statement(s)**

Highly flammable liquid and vapor  
Causes serious eye irritation

**Precautionary Statement(s)**

**Prevention**

Keep away from heat/sparks/open flame/hot surfaces - No smoking  
Wash thoroughly after handling

**Response**

In case of fire: Use appropriate media to extinguish  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Storage**

Store in a cool dry place

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

---

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent (%)
7732-18-5	Water	25 - 35
67-63-0	Isopropyl alcohol	65 - 75

---

## Section 4 - FIRST AID MEASURES

---

**Inhalation**

Not a likely route of exposure.

**Skin**

It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

If swallowed, get medical attention.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects**

**Acute**

Causes serious eye irritation.

**Delayed**

No information on significant adverse effects.

---

## Section 5 - FIRE FIGHTING MEASURES

---

**Extinguishing Media**

**Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**Hazardous Combustion Products**

Oxides of carbon

**Advice for firefighters**

Avoid inhalation of material or combustion by-products.

**Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

---

## Section 6 - ACCIDENTAL RELEASE MEASURES

---

**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment.

**Methods and Materials for Containment and Cleaning Up**

Clear up spills immediately and dispose of waste safely.

**Environmental Precautions**

Avoid release to the environment.

---

## Section 7 - HANDLING AND STORAGE

---

**Precautions for Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces.

**Conditions for Safe Storage, Including any Incompatibilities**

Store in a cool dry place

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

## Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

---

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Component Exposure Limits

Isopropyl alcohol	67-63-0
ACGIH:	200 ppm TWA
	400 ppm STEL
NIOSH:	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
	2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
Mexico:	400 ppm TWA LMPE-PPT; 980 mg/m <sup>3</sup> TWA LMPE-PPT
	500 ppm STEL [LMPE-CT]; 1225 mg/m <sup>3</sup> STEL [LMPE-CT]

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

#### Skin Protection

Not required.

#### Respiratory Protection

No respirator is required under normal conditions of use.

#### Glove Recommendations

Hand protection is not required.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Non-woven cloth saturated with liquid in foil package	<b>Physical State</b>	Liquid
<b>Odor</b>	Alcohol	<b>Color</b>	Colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

<b>Melting Point</b>	Not available	<b>Boiling Point</b>	82 °C (literature value)
<b>Freezing point</b>	-89 °C (literature value)	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	399 °C (literature value)	<b>Flash Point</b>	12 °C (estimate based on isopropyl alcohol)
<b>Lower Explosive Limit</b>	2 % (V)	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	12 % (V)	<b>Vapor Pressure</b>	33 mmHg (@ 20 °C - literature value)
<b>Vapor Density (air=1)</b>	2.1 (literature value)	<b>Specific Gravity (water=1)</b>	0.7855 (@ 20 °C - literature value)
<b>Water Solubility</b>	100%	<b>Partition coefficient: n-octanol/water</b>	0.05 (measured value)
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

## Other Information

No additional information available.

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

Not known to occur.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid direct sunlight.

### Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

### Hazardous decomposition products

Oxides of carbon



# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

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## Section 11 - TOXICOLOGICAL INFORMATION

---

### Information on Likely Routes of Exposure

#### Inhalation

Not a likely route of exposure.

#### Skin Contact

None known.

#### Eye Contact

Causes serious eye irritation.

#### Ingestion

None known.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 5045 mg/kg (Safety Data Sheet)

Dermal LD50 Rabbit 12800 mg/kg (Safety Data Sheet)

Inhalation LC50 Rat 1600 ppm 4 h (Safety Data Sheet)

#### Immediate Effects

Causes serious eye irritation.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Causes serious eye irritation.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

Isopropyl alcohol	67-63-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

#### Germ Cell Mutagenicity

No data available.

#### Reproductive Toxicity

No data available.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Specific Target Organ Toxicity - Single Exposure**

No information available.

**Specific Target Organ Toxicity - Repeated Exposure**

No information available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

May cause eye damage, eye disorders.

**Additional Data**

No additional information available.

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## Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

Isopropyl alcohol	67-63-0
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through]; LC50 96 h Pimephales promelas 11130 mg/L [static]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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## Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

Dispose in accordance with all applicable regulations.

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

---

## Section 14 - TRANSPORT INFORMATION

---

### US DOT Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN/NA #:** Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### IATA Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IATA, Special Provision A46

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** Consult current IATA regulations prior to shipping by air

### IMDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IMDG Code, Special Provision 216

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### TDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Isopropyl alcohol	67-63-0
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

## Not listed under California Proposition 65

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Isopropyl alcohol	67-63-0
	1 %

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## Section 16 - OTHER INFORMATION

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### Summary of Changes

New SDS: May 5, 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

### Other Information

#### Disclaimer:

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