

		<b>MATERIAL SAFETY DATA SHEET</b> <b>WEBCOL/CURITY Alcohol Prep Pads</b>
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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	WEBCOL/CURITY Alcohol Prep Pads	
<b>Use/Size</b>	Wound Cleaner	200 preps
<b>Product Numbers</b>	5033, 5110, 5150, 5750, 6818	Reorder # 6818
<b>Manufacturer/Supplier</b>	Tyco Healthcare/ Kendall	
<b>Address</b>	15 Hampshire Street Mansfield, MA 02048	
<b>Phone Number</b>	(508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)	
<b>Chemtrec Number</b>	(800) 424-9300	
<b>Revision Date:</b>	January 30, 2004	
<b>MSDS Date:</b>	September 14, 1999	

*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

**2. COMPOSITION/INFORMATION ON THE COMPONENTS**

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Isopropyl alcohol	67-63-0 200-746-9	>60% 70%	R11, R36, R67	F, Xi

**3. HAZARD IDENTIFICATION**

**EU Main Hazards**  
 Highly flammable.  
 Irritating to eyes.  
 Vapors may cause drowsiness and dizziness

**Routes of Entry**

- Absorption - Eye contact - Ingestion - Inhalation - Skin contact

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- Central Nervous System - Skin - Eye - Liver – Respiratory System

**Health Effects - Eyes**

Liquid, mist or vapor will cause conjunctival irritation and possibly corneal damage.

**Health Effects - Skin**

Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Liquid may be absorbed through the skin but not in toxicologically significant amounts, unless the area of contact is large and exposure prolonged.

**Health Effects - Ingestion**

Swallowing may have the following effects:

- irritation of mouth, throat and digestive tract - central nervous system depression

A large dose may have the following effects:

- dizziness - drowsiness - headache - mental confusion - nerve damage leading to numbness and muscle weakness - fall of blood pressure - liver damage - lung damage

**Health Effects - Inhalation**

Exposure to vapor may have the following effects:

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**7. HANDLING AND STORAGE**

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eyes, skin and clothing. Keep container tightly closed when not in use. Store away from sources of heat or ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational Exposure Standards**

Exposure Limits are listed below, if they exist.

**Isopropyl alcohol**

UK EH40: OES 400ppm (980mg/m<sup>3</sup>) 8h TWA.

UK EH40: OES 500ppm (1225mg/m<sup>3</sup>) 15min TWA.

ACGIH: TLV 200ppm (980mg/m<sup>3</sup>) 8h TWA.

ACGIH: STEL 400ppm (1225mg/m<sup>3</sup>) 15min TWA.

OSHA: PEL 400ppm (980mg/m<sup>3</sup>) 8h TWA.

Can be absorbed through skin.

**Engineering Control Measures**

Good general room ventilation is expected to be adequate to control airborne levels.

**Respiratory Protection**

Respiratory protection if there is a risk of exposure to high vapor concentrations. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

**Hand Protection**

Chemical resistant gloves

For isopropyl alcohol, gloves made of polyvinyl alcohol do not provide adequate protection.

**Eye Protection**

Chemical goggles or safety glasses with side shields

**Body Protection**

If there is danger of splashing, wear: - overall or apron

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Non-woven cloth saturated with liquid
<b>Color</b>	Clear
<b>Odor</b>	Alcoholic
<b>pH</b>	No data.
<b>Specific Gravity</b>	0.8405
<b>Boiling Range/Point (°C/F)</b>	80 / 176
<b>Melting Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	20 / 68
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.
<b>Solubility in Water</b>	Miscible
<b>Vapor Density (Air = 1)</b>	2.1
<b>Viscosity (cSt)</b>	2.9 cps at <@2> °C

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

- Heat - High temperatures - Static discharge - Exposure to direct sunlight - Mechanical shock

### Materials to Avoid

- Strong oxidizing agents - Acids - Halogens - Aluminum - Acid anhydrides - Isopropyl alcohol may attack some forms of plastic, rubber and coatings

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

- oxides of carbon

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity

Low order of acute toxicity predicted. Material may be harmful by skin absorption.

Isopropyl Alcohol: Oral LD50 (rat) 5045 mg/kg. Dermal LD50 (rabbit) 12800mg/kg. Inhalation LCLO (rat) 1600ppm 4h

### Chronic Toxicity/Carcinogenicity

This product is not expected to cause long term adverse health effects.

(Isopropyl Alcohol) IARC assessment: this product is not classifiable as to its carcinogenicity to humans (Group 3). Chronic/Subchronic studies resulted in adverse effects to: - liver - spleen - biochemical effects - brain tissue degeneration - changes in reflex behavior - sensory nerve damage

### Genotoxicity

This product is not expected to cause any mutagenic effects.

### Reproductive/Developmental Toxicity

This product is not expected to cause reproductive or developmental health effects.

(Isopropyl Alcohol) Experimental studies in animals have provided some evidence of embryo/fetotoxicity and birth defects only at doses producing marked maternal toxicity.

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## 12. ECOLOGICAL INFORMATION

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### Mobility

(Isopropyl Alcohol)

If released to soil, isopropyl alcohol is expected to have very high mobility.

### Persistence/Degradability

(Isopropyl Alcohol)

Isopropyl alcohol is readily degraded in aerobic aqueous systems.

### Bio-accumulation

(Isopropyl Alcohol)

An estimated BCF of 3 suggests the potential for bioconcentration in aquatic organisms is low.

### Ecotoxicity

(Isopropyl Alcohol)

Tests on the following species gave a 96h LC50 of 1150mg/litre: - brown shrimp

Tests on the following species gave a 96h LC50 of 6.12-9.64mg/litre: - fathead minnows

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**13. DISPOSAL**

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Dispose of in accordance with all applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

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**14. TRANSPORT INFORMATION**

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<b>DOT CFR 172.101 Data</b>	Not Regulated per 49 CFR 173.4 Small Quantity Exemption
<b>Proper Shipping Name</b>	None
<b>Class</b>	None
<b>UN Number</b>	None
<b>Packing Group</b>	None
<b>Classification for AIR Transport(IATA):</b>	Consult current IATA Regulations prior to shipping by air.

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**15. REGULATORY INFORMATION**

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**EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

**EU Hazard Symbol and Indication of Danger**

F - Highly flammable

Xi - Irritant

**R phrases**

R11 - Highly flammable.

R36 - Irritating to eyes.

R67 - Vapours 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.

**US REGULATIONS(Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS****TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

**EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

**DSL (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL).

**MA Right To Know Law**

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those

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## 15. REGULATORY INFORMATION

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components present at or above the de minimus concentration include: - Isopropyl Alcohol

**PA Right To Know Law**

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List:  
- Isopropyl Alcohol

**NJ Right To Know Law**

This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List:  
- Isopropyl Alcohol

**California Proposition 65**

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

**SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.

**SARA Title III Sect. 311/312 Categorization**

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Flammable

**SARA Title III Sect. 313**

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

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## 16. OTHER INFORMATION

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**NFPA Ratings**

NFPA Code for Flammability - 3

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - None

**HMIS Ratings**

HMIS Code for Flammability - 3

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

EU: European Union

R: Risk

S: Safety

**Prepared By:**

EnviroNet LLC.

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**15. REGULATORY INFORMATION**

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The information and recommendations presented in this MSDS are based on sources believed to be accurate; therefore, The Kendall Company assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.

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