

# RUBBING ALCOHOL COMPOUND

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 02/21/2017

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product name : RUBBING ALCOHOL COMPOUND

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

Use of the substance/mixture : Reduces bed sores, rashes, bruises or strains

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

RW Consumer Products Ltd  
200 Omand's Creek Blvd  
Winnipeg, Manitoba R2R 1V7 - Canada  
T (204) 786-6873

#### 1.4. Emergency telephone number

Emergency number : CANUTEC (613) 996-6666

### SECTION 2: Hazard identification

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

##### GHS classification

Flam. Liq. 2  
Eye Irrit. 2B

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



GHS02

Signal word (GHS) :

Danger

Hazard statements (GHS) :

Highly flammable liquid and vapour. Causes eye irritation

Precautionary statements (GHS) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Store in a well-ventilated place. Keep cool. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national, and/or international regulation

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Ethyl alcohol	(CAS No) 64-17-5	95.00

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation :

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

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First-aid measures after skin contact	: If skin irritation occurs: Wash skin with plenty of water. Wash clothing before re-using. Get medical attention if irritation develops and persists.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical. Carbon dioxide. Alcohol foam.
Unsuitable extinguishing media	: Do not use water jet.

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

Fire hazard	: Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. Formaldehyde.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Reactivity	: No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Protection during firefighting	: Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.
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## SECTION 6: Accidental release measures

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

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.
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#### 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

Prevent entry to sewers and public waters.

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

For containment	: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Avoid eye contact. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.
Hygiene measures	: Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from sources of ignition.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl alcohol (64-17-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
IDLH	US IDLH (ppm)	3300 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Wear suitable gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Appearance : Clear liquid
- Colour : Colourless
- Odour : Characteristic camphor odour
- Odour threshold : 1.2 - 1.6 ppm (Camphor)  
0.1 - 5100 ppm (Ethanol)
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 78.4 °C / 173 °F
- Flash point : 17 °C / 63 °F
- Relative evaporation rate (butylacetate=1) : No data available
- Flammability (solid, gas) : Highly flammable liquid and vapour
- Vapour pressure : 5.87 kPa @ 20 °C / 68 °F (ethanol)
- Relative vapour density at 20 °C : 1.6 (ethanol)
- Relative density : 0.811
- Solubility : Water: Partially soluble
- Partition coefficient n-octanol/water : No data available
- Auto-ignition temperature : 422 °C (792 °F)
- Decomposition temperature : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive limits : Lower explosive limit (LEL): 3.3 vol % (ethanol)  
Upper explosive limit (UEL): 19 vol % (ethanol)
- Explosive properties : No data available

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Oxidising properties : No data available

### 9.2. Other information

Saturation vapour concentration : 5.78 % @ 20 °C / 68 °F (ethanol)

VOC content : 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Sources of ignition. Heat. Incompatible materials.

### 10.5. Incompatible materials

Oxidizing materials.

### 10.6. Hazardous decomposition products

May release flammable gases. May include, and are not limited to: oxides of carbon. Formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.

Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not classified.

RUBBING ALCOHOL COMPOUND	
LD50 oral rat	> 20 mg/kg (Calculated acute toxicity estimate)
LD50 dermal rabbit	No data available
LC50 inhalation rat	> 20 mg/l/4h (Calculated acute toxicity estimate)

Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat	124.7 mg/l/4h

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Causes eye irritation.

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : Not classified.

STOT-repeated exposure : Not classified.

Aspiration hazard : Not classified.

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact : Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Ethyl alcohol (64-17-5)	
LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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Ethyl alcohol (64-17-5)	
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and degradability

RUBBING ALCOHOL COMPOUND	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

RUBBING ALCOHOL COMPOUND	
Bioaccumulative potential	Not established.
Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water	-0.32

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapours are flammable.

## SECTION 14: Transport information

### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

UN-No.(DOT/TDG) : UN1987  
Proper Shipping Name (DOT/TDG) : Alcohols, n.o.s. (Ethyl alcohol)  
Class (DOT/TDG) : Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT/TDG) : II  
Hazard labels (DOT/TDG) :



## SECTION 15: Regulatory information

### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

Diethyl phthalate (84-66-2)	
CERCLA RQ	1000 lb

### 15.2. International regulations

Ethyl alcohol (64-17-5)	
Listed on IARC (International Agency for Research on Cancer)	

### 15.3. US State regulations

Ethyl alcohol (64-17-5)	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	

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### Diethyl phthalate (84-66-2)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Camphor (76-22-2)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Date of issue : 02/21/2017  
Revision : New  
Version : 1.0  
Other information : None.

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