

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** AUTOJANITOR - BIOFLUSH TC  
**Revision date** 01-29-2014  
**Version #** 02  
**CAS #** Mixture  
**Product code** FG400055, 200085  
**Product use** Consumer product.  
**Manufacturer/Supplier** Rubbermaid Commercial Products LLC  
3124 Valley Avenue  
Winchester, VA 22601-2694  
Contact Person: Regulatory Manager  
**Telephone number:** (540) 667-8700  
**Emergency** 24-Hour Emergency: INFOTRAC: 1-800-535-5053

## 2. Hazards Identification

**Physical state** Liquid.  
**Appearance** Semi hazy liquid.  
**Emergency overview** Flammable liquid and vapor.  
Potential hazards that may occur if product is not used according to the consumer label are as follows: Direct contact with the eye may cause irritation.  
**OSHA regulatory status** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**Potential health effects**  
**Eyes** May cause eye irritation.  
**Skin** Health injuries are not known or expected under normal use.  
**Inhalation** Not applicable.  
**Ingestion** No harmful effects expected in amounts likely to be ingested by accident.  
**Potential environmental effects** Not expected to be harmful to aquatic organisms.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Alcohols, C9-11, ethoxylated	68439-46-3	3-7
Ethyl alcohol	64-17-5	1-5
Isopropyl alcohol	67-63-0	1-5
Cinnamaldehyde	104-55-2	0.1-1

**Composition comments** All concentrations are in percent by weight.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if symptoms persist.  
**Skin contact** Not applicable.  
**Inhalation** Not applicable.  
**Ingestion** Seek medical advice.

## 5. Fire Fighting Measures

**Flammable properties** Flammable liquid and vapor. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent build-up of vapors or gasses to explosive concentrations.

## Extinguishing media

### Suitable extinguishing media

Water fog. Alcohol foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

### Fire fighting equipment/instructions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to keep fire-exposed containers cool.

## 6. Accidental Release Measures

### Methods for cleaning up

Eliminate all ignition sources. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

## 7. Handling and Storage

### Handling

Observe good industrial hygiene practices.

### Storage

Keep away from heat, sparks, and flame. Keep container closed. Keep at room temperature. Protect from freezing. Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Ethyl alcohol (64-17-5)	STEL	1000 ppm
Isopropyl alcohol (67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl alcohol (64-17-5)	PEL	1900 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (67-63-0)	PEL	980 mg/m <sup>3</sup> 400 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Ethyl alcohol (64-17-5)	TWA	1880 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (67-63-0)	STEL	984 mg/m <sup>3</sup> 400 ppm
	TWA	492 mg/m <sup>3</sup> 200 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Ethyl alcohol (64-17-5)	STEL	1000 ppm
Isopropyl alcohol (67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Ethyl alcohol (64-17-5)	STEL	1000 ppm
Isopropyl alcohol (67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Ethyl alcohol (64-17-5)	TWA	1880 mg/m <sup>3</sup> 1000 ppm
Isopropyl alcohol (67-63-0)	STEL	1230 mg/m <sup>3</sup> 500 ppm
	TWA	983 mg/m <sup>3</sup> 400 ppm

#### Mexico. Occupational Exposure Limit Values

Components	Type	Value
Ethyl alcohol (64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm

## Mexico. Occupational Exposure Limit Values

Components	Type	Value
Isopropyl alcohol (67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm

**Engineering controls** No special requirements under ordinary conditions of use and with adequate ventilation.

### Personal protective equipment

**Eye / face protection** No protection is ordinarily required under normal conditions of use.

**Skin protection** No protection is ordinarily required under normal conditions of use.

**Respiratory protection** No protection is ordinarily required under normal conditions of use.

## 9. Physical & Chemical Properties

**Appearance** Semi hazy liquid.

**Color** Pale yellow.

**Odor** Not assigned.

**Odor threshold** Not available.

**Physical state** Liquid.

**Form** Liquid.

**pH** 4.5 - 5.2 at 25°C

**Melting point** Not available.

**Freezing point** Not available.

**Boiling point** Not available.

**Flash point** 120 °F (48.9 °C)

**Evaporation rate** Not available.

**Flammability limits in air, upper, % by volume** Not available.

**Flammability limits in air, lower, % by volume** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Specific gravity** 0.98 - 0.99 at 25°C

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** No data available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Material is stable under normal conditions.

**Conditions to avoid** Contact with incompatible materials. Keep away from heat, sparks, and flame.

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous decomposition products** Carbon oxides. Sodium oxides.

**Possibility of hazardous reactions** Will not occur.

## 11. Toxicological Information

**Acute effects** May cause eye irritation on direct contact.

**Sensitization** None known.

**Chronic effects** None known.

**Carcinogenicity** None known.

## ACGIH Carcinogens

Isopropyl alcohol (CAS 67-63-0)

A4 Not classifiable as a human carcinogen.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Mobility in environmental media</b>	No data available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect in marked containers and deliver to approved depot.
<b>Waste from residues / unused products</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Contaminated packaging</b>	Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

<b>Product Specific Note:</b>	This product meets the limited quantities exception as follows: DOT / IATA / IMDG / TDG: Limited Quantities if inner packaging not exceeding 5.0 L, outer packaging not exceeding 30 Kg. Otherwise, the following descriptions apply:
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### DOT

#### Basic shipping requirements:

<b>UN number</b>	UN1993
<b>Proper shipping name</b>	Flammable liquids, n.o.s. (Ethy Alcohol, Isopropyl Alcohol)
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Labels required</b>	3

#### Additional information:

<b>Special provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242
<b>ERG number</b>	128

### IATA

#### Basic shipping requirements:

<b>UN number</b>	1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s. (Ethy Alcohol, Isopropyl Alcohol)
<b>Hazard class</b>	3
<b>Packing group</b>	III

#### Additional information:

<b>ERG code</b>	3L
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### IMDG

#### Basic shipping requirements:

<b>UN number</b>	1993
<b>Proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Ethy Alcohol, Isopropyl Alcohol)
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>EmS No.</b>	F-E, S-E*

### TDG

#### Basic shipping requirements:

<b>Proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Ethy Alcohol, Isopropyl Alcohol)
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**Hazard class** 3  
**UN number** UN1993  
**Packing group** III  
**Marine pollutant** •  
**Additional information:**  
**Special provisions** 16

## 15. Regulatory Information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200. This material is not listed on the US TSCA 8(b) Inventory, therefore it may only be used for TSCA Exempt purposes such as R&D or Food, Drug or Cosmetic use.

### TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Isopropyl alcohol (CAS 67-63-0) 1.0 %

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Isopropyl alcohol (CAS 67-63-0) Listed.

### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

Isopropyl alcohol: 100

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)** No

**Section 311/312 (40 CFR 370)** Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)** Not controlled

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** B2 - Flammable/Combustible  
 D2B - Other Toxic Effects-TOXIC

### WHMIS labeling



### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

**US - California Hazardous Substances (Director's): Listed substance**

Ethyl alcohol (CAS 64-17-5)	Listed.
Isopropyl alcohol (CAS 67-63-0)	Listed.

**US - Massachusetts RTK - Substance: Listed substance**

Ethyl alcohol (CAS 64-17-5)	Listed.
Isopropyl alcohol (CAS 67-63-0)	Listed.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

Isopropyl alcohol (CAS 67-63-0)	500 LBS
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**US - New Jersey RTK - Substances: Listed substance**

Ethyl alcohol (CAS 64-17-5)	Listed.
Isopropyl alcohol (CAS 67-63-0)	Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Ethyl alcohol (CAS 64-17-5)	Listed.
Isopropyl alcohol (CAS 67-63-0)	Listed.

**16. Other Information**

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 2  
 Flammability: 2  
 Physical hazard: 0

**NFPA ratings**

Health: 2  
 Flammability: 2  
 Instability: 0

**Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability to assure proper use, disposal, and safety of these materials.

**Issue date**

11-23-2011

Rev 02: Reviewed and changed date.