

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name TC® EnrichedFoam™ Alcohol Plus Hand Sanitizer
Product Number(s) 3486567, 3486577, 3486582, 3486586, 1780364, 1780374, 1780379, 1780383
Product use Hand sanitizer.
Manufacturer information Rubbermaid Commercial Products LLC
3124 Valley Avenue
Winchester, VA 22601-2694
Telephone number: (540) 667-8700
24-Hour Emergency: INFOTRAC: 1-800-535-5053

2. Hazards Identification

Physical state Liquid.
Appearance Colorless 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
Ethyl alcohol	64-17-5	60 - 100

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 (CO2). 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

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

Components	Type	Value
Ethyl alcohol (64-17-5)	PEL	1000 ppm 1900 mg/m ³

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

Components	Type	Value
Ethyl alcohol (64-17-5)	TWA	1000 ppm 1880 mg/m ³

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

Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

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

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

Components	Type	Value
Ethyl alcohol (64-17-5)	TWA	1000 ppm 1880 mg/m ³

Mexico. Occupational Exposure Limit Values

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

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

Colorless liquid.

Color

Clear, colorless.

Odor

Alcohol.

Odor threshold

Not available.

Physical state

Liquid.

Form

Liquid.

pH

6 - 8.5

Melting point

Not available.

Freezing point

Not available.

Boiling point

Not available.

Flash point	56.3 °F (13.5 °C) Pensky-Martens Closed Cup
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	Not available.
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.

12. Ecological Information

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

13. Disposal Considerations

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

14. Transport Information

Product Specific Note:	This product meets the limited quantities exception as follows: DOT: ORM-D if inner packaging not exceeding 1.0 L, outer packaging not exceeding 30 Kg. IATA: Limited Quantities if inner packaging not exceeding 0.5 L, outer packaging not exceeding 30 Kg. IMDG / TDG: Limited Quantities if inner packaging not exceeding 1 L, outer packaging not exceeding 30 Kg. Otherwise, the following descriptions apply:
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DOT

Basic shipping requirements:

UN number	UN1170
Proper shipping name	Ethanol Solutions
Hazard class	3
Packing group	II
Labels required	3

Additional information:

Special provisions	24, IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ERG number	127

IATA

Basic shipping requirements:

UN number	1170
Proper shipping name	Ethanol Solutions
Hazard class	3
Packing group	II

Additional information:

ERG code	3L
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IMDG

Basic shipping requirements:

UN number	1170
Proper shipping name	ETHANOL SOLUTIONS
Hazard class	3
Packing group	II
EmS No.	F-E, S-D

TDG

Basic shipping requirements:

Proper shipping name	ETHANOL SOLUTION
Hazard class	3
UN number	UN1170
Packing group	II



DOT



IATA



IMDG



TDG

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.

CERCLA (Superfund) reportable quantity (lbs)

None

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 No

Section 311 hazardous chemical Yes

Drug Enforcement Agency (DEA) 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 Exempt

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
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.

US - Massachusetts RTK - Substance: Listed substance

Ethyl alcohol (CAS 64-17-5) Listed.

US - New Jersey RTK - Substances: Listed substance

Ethyl alcohol (CAS 64-17-5) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Ethyl alcohol (CAS 64-17-5) Listed.

16. Other Information

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

HMIS® ratings
Health: 1
Flammability: 3
Physical hazard: 0

NFPA ratings
Health: 1
Flammability: 3
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

10-27-2010

Revision 02: Section 1: Added product number(s).