

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Tcell Pure
Version # 01
Issue date 08-21-2012
Revision date -
Supersedes date -
CAS # Mixture
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 Clear yellow 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: May cause eye, skin and respiratory tract irritation.
OSHA regulatory status This product is not hazardous according to OSHA 29CFR 1910.1200.
Potential health effects
Eyes May cause eye irritation. Eye contact may result in corneal injury.
Skin Health injuries are not known or expected under normal use. Prolonged skin contact may cause redness, irritation and dry skin.
Inhalation May cause respiratory tract irritation.
Ingestion Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential environmental effects Not expected to be harmful to aquatic organisms.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Dipropylene glycol methyl ether	34590-94-8	20 - 30
Ethyl alcohol	64-17-5	10 - 20
Fragrance	Mixture	10 - 20

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 eyelids wide apart. Get medical attention if symptoms persist.
Skin contact Flush contaminated area with plenty of water. Get medical attention if irritation develops or persists.
Inhalation If symptoms develop move victim to fresh air. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth thoroughly. Drink a few glasses of water or milk. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical advice.
Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Flammable properties	Flammable liquid and vapor.
Extinguishing media	
Suitable extinguishing media	Water fog. Alcohol foam. Carbon dioxide (CO2). Dry chemical.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water until well after the fire is out. Avoid breathing fire vapors. Keep upwind.
Specific methods	If possible, remove containers exposed to heat or cool with water.

6. Accidental Release Measures

Methods for cleaning up	Eliminate all ignition sources. Dike the spilled material, where this is possible. Absorb spill with vermiculite or other inert material. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Prevent entry into waterways, sewer, basements or confined areas.
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7. Handling and Storage

Handling	Observe good industrial hygiene practices.
Storage	Store in a cool, dry, well-ventilated place. 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
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm

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

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	PEL	600 mg/m3
		100 ppm
Ethyl alcohol (CAS 64-17-5)	PEL	1900 mg/m3
		1000 ppm

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

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	909 mg/m3
		150 ppm
	TWA	606 mg/m3
		100 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1880 mg/m3
		1000 ppm

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

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm

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

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm

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

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	909 mg/m3
	TWA	150 ppm 606 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	100 ppm 1880 mg/m3 1000 ppm

Mexico. Occupational Exposure Limit Values

Components	Type	Value
Dipropylene glycol methyl ether (CAS 34590-94-8)	STEL	900 mg/m3
	TWA	150 ppm 600 mg/m3 100 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3 1000 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	Clear yellow liquid.
Physical state	Liquid.
Form	Liquid.
Color	Clear yellow.
Odor	Not assigned.
Odor threshold	Not available.
pH	4.5 - 5.2 at 25°C
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	0.884 - 0.934 at 25°C
Flash point	147 °F (63.9 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Partition coefficient (n-octanol/water)	No data 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.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Dipropylene glycol methyl ether (CAS 34590-94-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	9.5 g/kg
<i>Oral</i>		
LD50	Rat	5.35 g/kg
Sensitization	None known.	
Acute effects	May cause eye irritation on direct contact.	
Local effects		
US. ACGIH Threshold Limit Values		
Dipropylene glycol methyl ether (CAS 34590-94-8)	Can be absorbed through the skin.	
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	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

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

General This material is not regulated if in a container of 119 gallon (450 L) capacity or less.

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.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

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

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 (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

B3 - Combustible Liquids
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)	Yes
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 this product complies with the inventory requirements administered by the governing country(s)

State regulations

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

Dipropylene glycol methyl ether (CAS 34590-94-8) Listed.
Ethyl alcohol (CAS 64-17-5) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - New Jersey RTK - Substances: Listed substance

Dipropylene glycol methyl ether (CAS 34590-94-8)	Listed.
Ethyl alcohol (CAS 64-17-5)	Listed.

US. Massachusetts RTK - Substance List

Dipropylene glycol methyl ether (CAS 34590-94-8)	Listed.
Ethyl alcohol (CAS 64-17-5)	Listed.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Dipropylene glycol methyl ether (CAS 34590-94-8)	Listed.
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: 2
Physical hazard: 0

NFPA ratings

Health: 1
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.