

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** TCell Purifying Spa  
**Version #** 02  
**Issue date** 02-22-2013  
**Revision date** 02-22-2013  
**Supersedes date** 02-22-2013  
**CAS #** Mixture  
**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 colorless to pale yellow liquid.  
**Emergency overview** WARNING  
Combustible liquid and vapor.  
Causes skin irritation. May cause an allergic skin reaction. Harmful if swallowed - may enter lungs if swallowed or vomited.  
**OSHA regulatory status** This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Inhalation. Eye contact. Skin contact.  
**Eyes** Direct contact with eyes may cause temporary irritation.  
**Skin** Causes skin irritation. May cause allergic skin reaction.  
**Inhalation** In high concentrations, vapors may be irritating to the respiratory system.  
**Ingestion** Harmful if swallowed - may enter lungs if swallowed or vomited.  
**Chronic effects** Possible reproductive hazard - contains material that may cause adverse reproductive effects.  
**Potential environmental effects** The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
C9-12-Iso-Alkanes & C11-15-Iso-Alkanes (approx. 70/30)	90622-57-4	60 - 80
Limonene	5989-27-5	1 - 5

**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. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash with soap and water. Get medical attention if symptoms occur after washing.

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion** Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	The product is combustible, but not flammable.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.
<b>Hazardous combustion products</b>	Carbon oxides.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin. See Section 8 of the MSDS for Personal Protective Equipment.
<b>Environmental precautions</b>	Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.
<b>Methods for cleaning up</b>	<p>Remove sources of ignition. Beware of the explosion danger. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.</p> <p>Small Spills: Absorb spillage with non-combustible, absorbent material.</p> <p>Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.</p>

## 7. Handling and Storage

<b>Handling</b>	Wear appropriate personal protective equipment. Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash thoroughly after handling.
<b>Storage</b>	Do not handle or store near an open flame, heat or other sources of ignition. Protect against direct sunlight. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials. Avoid uncoated metal containers. Minimize exposure to air.

## 8. Exposure Controls / Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
<b>Respiratory protection</b>	In case of inadequate ventilation use suitable respirator.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Clear colorless to pale yellow liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear to yellow.
<b>Odor</b>	Not assigned.

Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	Not available.
Flash point	140 °F (60 °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. Alkalis.
Hazardous decomposition products	Carbon oxides. Unidentified organic compounds.
Possibility of hazardous reactions	Will not occur.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
C9-12-Iso-Alkanes & C11-15-Iso-Alkanes (approx. 70/30) (CAS 90622-57-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3200 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 12200 mg/m³
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Limonene (CAS 5989-27-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	5 g/kg
<i>Oral</i>		
LD50	Rat	4400 mg/kg
<b>Sensitization</b>	May cause allergic skin disorders in sensitive individuals.	
<b>Acute effects</b>	Causes skin irritation. Harmful if swallowed - may enter lungs if swallowed or vomited.	
<b>Chronic effects</b>	Chronic effects are not expected when this product is used as intended.	
<b>Carcinogenicity</b>	None known.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.	
<b>Reproductive effects</b>	May cause adverse reproductive effects - such as birth defects, miscarriages, or infertility.	

## 12. Ecological Information

### Ecotoxicological data

Components	Species		Test Results
Limonene (CAS 5989-27-5)			
Aquatic			
Crustacea	EC50	Daphnia	0.42 mg/l, 48 Hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours
Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.		
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.		
Persistence and degradability	No data available.		
Bioaccumulation / Accumulation	No data available.		
Partition coefficient	No data available.		
Limonene (CAS 5989-27-5)		4.232	
Mobility in environmental media	No data available.		

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow this material to drain into sewers/water supplies.
<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

### DOT

#### Basic shipping requirements:

<b>UN number</b>	UN1169
<b>Proper shipping name</b>	Extracts, aromatic, liquid
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	
Marine pollutant	Yes
<b>Additional information:</b>	
<b>Special provisions</b>	B1, IB3, T2, TP1
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242

### IATA

<b>UN number</b>	UN1169
<b>UN proper shipping name</b>	Extracts, aromatic, liquid
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG code</b>	3L

### IMDG

<b>UN number</b>	UN1169
<b>UN proper shipping name</b>	EXTRACTS, AROMATIC, LIQUID
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	
Marine pollutant	Yes
<b>EmS</b>	F-E, S-D

### TDG

<b>UN number</b>	UN1169
------------------	--------

<b>Proper shipping name</b>	EXTRACTS, AROMATIC, LIQUID
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Marine pollutant</b>	Yes

## 15. Regulatory Information

**US federal regulations** This product is hazardous according to OSHA 29 CFR 1910.1200.

### **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)**

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

<b>Section 302 extremely hazardous substance (40 CFR 355, Appendix A)</b>	No
---	----

<b>Section 311/312 (40 CFR 370)</b>	Yes
-------------------------------------	-----

<b>Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)</b>	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.

<b>WHMIS status</b>	Controlled
---------------------	------------

<b>WHMIS classification</b>	B3 - Combustible Liquids D2B - Other Toxic Effects-TOXIC
-----------------------------	---

### **WHMIS labeling**



### **Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
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)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

### US - New Jersey RTK - Substances: Listed substance

Limonene (CAS 5989-27-5)

Listed.

### US. Massachusetts RTK - Substance List

Not regulated.

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

Not regulated.

### US. Pennsylvania RTK - Hazardous Substances

Not regulated.

## Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

## 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

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.