

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** R/1212C14.55PD  
**Product Name:** CoreTex Citrus Hand Cleaner w/ Plastic Scrubbers  
**Company Name:** CoreTex Products, Inc. **Phone Number:** +1 (877)684-5774  
1850 Sunnyside Ct.  
Bakersfield, CA 93308  
**Web site address:** www.coretexproducts.com  
**Emergency Contact:** CHEMTEL +1 (800)255-3924 - 24 Hours  
**Product Category:** Hand Cleaner

## 2. HAZARDS IDENTIFICATION

**Potential Health Effects (Acute and Chronic):** **Normal usage should not create a hazardous condition.** Prolonged or repeated skin contact may cause defatting and dermatitis. Oral and dermal administration of triethanolamine to laboratory animals produced adverse effects. In 2-year gavage studies, there was clear evidence of carcinogenic activity of d-limonene for male rats, as shown by increased incidences of tubular cell hyperplasia, adenomas, and adenocarcinomas of the kidney. There was NO evidence of carcinogenic activity of d-limonene for female rats, for male mice, or for female mice.

**Inhalation:** May cause respiratory tract irritation. May cause nasal irritation.

**Skin Contact:** May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**Eye Contact:** Moderately irritating to the eyes.

**Ingestion:** Harmful if swallowed. Aspiration hazard. May cause gastrointestinal irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
5989-27-5	Limonene	<2.00 %
102-71-6	Triethanolamine	<2.00 %

## 4. FIRST AID MEASURES

### Emergency and First Aid Procedures:

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.

**In Case of Skin Contact:** In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical aid if irritation develops or persists.

**In Case of Ingestion:** Potential for aspiration if swallowed. Get medical aid immediately. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical attention immediately.

**Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use water fog, dry chemical, carbon dioxide or alcohol type foam.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire.
<b>Flammable Properties and Hazards:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen, sulfur.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let product enter drains, sewers, watersheds or water systems.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Spilled product can create extremely slippery conditions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal.

## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Avoid ingestion and inhalation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.  Ground and bond containers when transferring material. Use non-sparking tools. Keep away from heat, sparks and flame. Keep container tightly closed. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in aluminum containers. Do not store in direct sunlight. Keep away from heat, sparks and flame. Separate from oxidizing materials. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage.
<b>Other Precautions:</b>	Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
5989-27-5	Limonene	No data.	No data.	No data.
102-71-6	Triethanolamine	No data.	TLV: 5 mg/m3	No data.

**Respiratory Equipment (Specify Type):** Avoid breathing vapors and mists. No special respiratory protection is needed under normal conditions of use.

**Eye Protection:** Safety glasses with side shields.

**Protective Gloves:** is not required.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility, and a safety shower is recommended.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Appearance: Orange. Paste. With beads.  
 Odor: bland.

**Melting Point:** NA

**Boiling Point:** NA

**Autoignition Pt:** No data.

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Specific Gravity (Water = 1):** 1.0

**Density:** NA

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Evaporation Rate:** NA

**Solubility in Water:** Complete

**Saturated Vapor Concentration:** NA

**Viscosity:** 22000 - 25000 CPS

**pH:** 7.6 - 8.6

**Percent Volatile:** No data.

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** High temperatures, Ignition sources, Incompatible materials, Direct sunlight.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Strong acids, Aluminum, Copper, Copper alloys, Zinc.

**Hazardous Decomposition or Byproducts:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen, sulfur.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information available.  
 Teratogenicity: No information available.  
 Reproductive Effects: No information available.  
 Mutagenicity: No information available.  
 Neurotoxicity: No information available.

Other Studies: CAS# 102-71-6:  
 Acute toxicity, LD50, Oral, Rat, 4920 ul/kg.

Other Studies: CAS# 5989-27-5:  
 Acute toxicity, LD50, Oral, Rat, 4400 mg/kg  
 Acute toxicity, LD50, Skin, Rabbit, 5gm/kg.

**Irritation or Corrosion:** Other Studies: CAS# 102-71-6:  
 Standard Draize Test, Eyes, Species: Rabbit, 10.00 mg.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Other: Dipentene, which is optically inactive limonene, is a marine pollutant. No information available.

Other Studies: CAS# 102-71-6:  
 LC50, Water Flea (Daphnia magna), 1390 mg/L, 24H, Intoxication  
 LC50, Brine shrimp (Artemia salina), nauplii, 5600000 ug/L, 24H, Mortality.

Other Studies: CAS# 5989-27-5:  
 LC50, Water Flea (Daphnia magna), 577 ug/L, 48H, Mortality  
 LC50, Fathead Minnow (Pimephales promelas), 600 - 800 ug/L, 24H, Mortality

Other Studies: CAS# 64742-47-8:  
 LC50, Bluegill (Lepomis macrochirus), 2200 ug/L, 4D  
 LC50, Rainbow trout (Oncorhynchus mykiss), 2900 ug/L, 96H

**Results of PBT and vPvB assessment:** No data available.

**Persistence and Degradability:** Limonene can be readily degraded in soil.

**Bioaccumulative Potential:** May bioconcentrate in aquatic organisms and fish.

**Mobility in Soil:** Has low mobility in soil and may rapidly volatilize in the atmosphere.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

**14. TRANSPORT INFORMATION**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.  
**DOT Hazard Class:**  
**UN/NA Number:**

**15. REGULATORY INFORMATION**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
5989-27-5	Limonene	No	No	No
102-71-6	Triethanolamine	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
5989-27-5	Limonene	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
102-71-6	Triethanolamine	TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC,

**16. OTHER INFORMATION**

**Revision Date:** 09/06/2015  
**Preparer Name:** Crystal Maira  
**Additional Information:** No data available.  
**Company Policy or Disclaimer:** Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.