

Citra-Klean™

Heavy-duty Biodegradable Emulsified Citrus Concrete Cleaner



Material Safety Data Sheet

PRODUCT: CITRA-KLEAN™ (Page 1 of 4)

1. IDENTIFICATION OF SUBSTANCE

- **Product details**
- **Trade name:** Citra-Klean™
- **Article number:** 83-300112
- **Manufacturer/Supplier:** Contract Packaging, Inc., 22 N. Dollins Ave, Orlando, FL 32805
Tel. (407) 246-7797, Fax. (407) 481-2261, www.koverkrete.com

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2. COMPOSITION / DATA ON COMPONENTS

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**

5989-27-5	(R) -p-mentha-1,8-diene	50-100%
9016-45-9	Ethoxylated nonylphenol	≤10%

- **Additional information:** for the wording of the listed risk phrases refer to section 16.

3. HAZARD IDENTIFICATION

- **Hazard description:** Irritant, dangerous for the environment
- **Information pertaining to particular dangers for man and environment:**
The product has to be labeled due to internationally acknowledged calculation procedures using the latest valid versions.
Flammable.
Irritating to skin.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4):** Health = 2 Fire = 2 Reactivity = 0
- **HMIS ratings (scale 0-4):** Health = 2 Fire = 2 Reactivity = 0

4. FIRST AID MEASURES

- **After inhalation:** Supply fresh air and be sure to call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water, Water with full jet.
- **Protective equipment:** Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** DO NOT allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. DO NOT allow to enter sewers/surface or ground water.

- **Measures for cleaning / collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents.

7. HANDLING AND STORAGE

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** Keep ignition sources away – DO NOT smoke. Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands: Protective gloves.** The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests, no recommendation to the glove material can be given for the product. Select the glove material upon consideration of the penetration times, rates of diffusion and the degradation.
- **Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye Protection:** Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **General Information**
- **Form:** Fluid
- **Color:** According to product specification
- **Odor:** Characteristic
- **Change in Condition:** Melting point/Melting range: Undetermined. Boiling Point/Boiling range: 176°C (349°F)
- **Flash Point:** 54°C (129°F)
- **Ignition temperature:** 255.0°C (491°F)
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixture are possible.
- **Explosion Limits:** Lower: 0.7 Vol. % Upper: 6.1 Vol. %
- **Vapor pressure at 20°C (68°F):** 2.3 hPa (2mm Hg)
- **Density at 20°C (68°F):** 0.862 g/cm³
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Solvent content:** Organic solvents: 90.1%
- **Solids content:** 4.5%

10. STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** 5989-27-5 (R)-p-mentha-1, 8-diene
Oral / LD50 / 4400 mg/kg (rat)
- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

12. ECOLOGICAL INFORMATION

- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

13. DISPOSAL CONSIDERATIONS

- **Product:**
- **Recommendation:** Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to Federal, State and Local Regulations.

14. TRANSPORT INFORMATION

- **DOT REGULATIONS:**
- **Hazard Class:** 3
- **Identification Number:** UN1268
- **Packing group:** III
- **Proper shipping name (technical name):** PETROLEUM DISTILLATES, N.O.S.
- **Label:** 3
- **Limited Quantity Exemption:** Limited Quantity applies for inner packages 1.3 gallons or smaller.
- **U.S. Domestic Ground Shipments:** Combustible liquids, n.o.s. (Petroleum Distillates), NA1993, PG III
- **U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:** Not Regulated by D.O.T.

- **Land Transport ADR/RID (Cross-Border):**
- **ADR/RID Class:** 3 Flammable Liquids
- **Danger code (Kemler):** 30
- **UN-Number:** 1268
- **Packaging group:** III
- **Description of goods:** 1268 PETROLEUM DISTILLATES, N.O.S. (DIPENTENE)

- **Maritime Transport IMDG:**
- **IMDG Class:** 3
- **UN Number:** 1268
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E, S-E
- **Marine pollutant:** Yes
- **Proper shipping name:** PETROLEUM DISTILLATES, N.O.S.

- **Air Transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1268
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** PETROLEUM DISTILLATES, N.O.S.

15. REGULATIONS

- **Sara**
- **Section 355 (extremely hazardous substances):** None of the ingredient is listed.
- **Section 313 (Specific toxic chemical listings):** This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below. None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):** All ingredients are listed.
- **Proposition 65**
- **Chemicals known to the State of California (Prop. 65) to cause cancer:** None of the ingredients is listed.
- **Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:** None of the ingredients is listed.
- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency):** None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer):** 5989-27-5 (R)-p-mentha-1, 8-diene 3
- **NTP (National Toxicology Program):** None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH):** None of the ingredients is listed.
- **MAK (German Maximum Workplace Concentration):** None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety and Health Administration):** None of the ingredients is listed.
- **Product related hazard information:** The product has been classified and marked in accordance with directives on hazardous materials.

- **Hazard symbols:** Irritant. Dangerous for the environment.
- **Hazard-determining components of labeling:** (R) -p-mentha-1, 8-diene
- **Risk phrases:** Flammable. Irritating to skin. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**
Keep out of the reach of children.
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of soap and water.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Wear suitable gloves.
In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
If swallowed, seek medical advice immediately and show this container or label.
- **National regulations:**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS: Environmental, Health and Safety department**
- **Contact: Daniel L. Huckabee**