



## Safety Data Sheet

7/18/2015

### **Section 1: Chemical Product and Company Identification**

Product Code: LC-500

Product name: Pre-Treat Cleaner

Product Use: All Purpose Green Cleaner & Degreaser

Chemical Family: Not Available

Chemical Formula: Not Available

Manufacturer: RS Technologies, LLC

1900 W Chandler Blvd. Suite 15-349,

Chandler, AZ 85224

Toll Free: 480-237-9363

24 Hour Emergency Number: 800 535-5053

### **Section 2: Hazards Identification**

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200)

Classification of the substance or mixture:

EYE IRRITATION – Category 2B

GHS Label Elements:

Signal Word: Warning

Hazard Statements: Causes eye irritation

Precautionary Statements:

**Prevention:** Keep container tightly closed. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye or face protection.

**Response:** In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

If on skin: Remove contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

**Storage:** Store in a well---ventilated place. Keep cool.

**Hazards Not Otherwise Classified:** None Known

### **Section 3: Composition and Information on Ingredients**

Substance/mixture: Mixture

Name	CAS#	% by weight	Exposure Limits
Orange Terpenes	5989---27---5	≤8	
Ethoxylated Alcohols	Proprietary blend	≤13	
Methyl ester soybean oil	67784---80---9	≤15	
Water	7732-18-5	55-85%	

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret. There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

## **Section 4: First Aid Measures**

**General advice:** Move out of dangerous area. Do not leave the injured person unattended. Show this safety data sheet to the doctor in attendance.

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. If irritation persists get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**Skin Contact:** Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion:** Remove victim to fresh air and keep at rest for comfortable breathing. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### **Most important Symptoms/Effects, Acute and Delayed**

#### **Potential Acute Health Effects**

**Eye Contact:** Causes eye irritation

**Inhalation:** Exposure to decomposition products may cause a health hazard.

**Skin Contact:** May cause mild skin irritation

**Ingestion:** May be irritating to mouth, throat and stomach.

#### **Over Exposure Signs/Symptoms**

**Eye Contact:** Adverse symptoms may include the following:

Pain or irritation

Watering

Redness

**Inhalation:** No known significant effects or critical hazards

**Skin Contact:** Adverse symptoms may include the following:

Irritation

Redness

**Ingestion:** May be Irritating to mouth, throat and stomach.

#### **Indication of Immediate Medical Attention and Special treatment Needed, if Necessary**

**Notes to Physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments:** No specific treatment

**Protection of First Aiders:** No action shall be taken involving any personal risk or without suitable training.

## **Section 5: Fire Fighting Measures**

### **Extinguishing Media:**

**Suitable extinguishing media:** Alcohol-resistant foam.

Carbon dioxide (CO<sub>2</sub>).

Dry chemical

**Unsuitable extinguishing media:** High Volume water jet.

**Hazardous thermal decomposition products:** Decomposition products may include following materials: carbon dioxide

carbon monoxide

smoke

**Specific hazards during firefighting:** Do not allow runoff from firefighting to enter drains or water courses.

**Special protective actions for firefighters:** No special measures are required.

**Special protective equipment for firefighters:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode, if necessary.

**Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.

## **Section 6: Accidental Release Measures**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**For non-emergency Personnel:** No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and Materials for Containment and Cleaning Up Spill:**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container or disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

## **Section 7: Handling and Storage**

### **Precautions for Safe handling:**

**Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Take precautionary measures against static discharges. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

### **Conditions for Safe Storage, including any incompatibilities:**

Keep out of the reach of children. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool well---ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Store upright to prevent leakage.

## **Section 8: Exposure Controls/Personal Protection**

### **Control Parameters**

**Occupational Exposure Limits:** None

**Appropriate Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental Exposure Controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### **Individual Protection Measures:**

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Tightly fitting safety goggles.

### **Skin Protection:**

**Hand Protection:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved should be approved by a specialist before handling this product.

**Other Skin Protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** No respirator needed under normal conditions

## **Section 9: Physical and Chemical Properties**

### Appearance

Physical state: Liquid (Translucent Milky)

Odor: Citrus

Odor Threshold: Not available

pH: 9.40 (as is)

Boiling Point 100 °C (212°F)

Vapor Density: 1 (air=1)

Vapor Pressure: water=1, 1

Flash Point: No Information

Flammability (solid, gas): Not available

Lower and upper Explosive (flammable) limits: No data available

Auto-ignition temperature: Not determined

Solubility: Easily soluble in the following materials: water

Viscosity: 15cPs

Relative Density: 0.99 (water =1)

## **Section 10: Stability and Reactivity**

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: Product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: Reactive or incompatible with the following materials: Strong acids.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **Section 11: Toxicological Information**

### Information on toxicological effects

#### Acute toxicity:

Acute oral toxicity: Acute toxicity estimate: >5,000 mg/kg  
Method: Calculation method

Irritation/ Corrosion: Not a skin irritant.

Sensitization: No data available

Carcinogenicity: No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP above the threshold of 0.1%

Specific target Organ toxicity (single exposure): No data available

Specific target Organ toxicity (repeated exposure): No data available

Aspiration Hazard: No data available

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

Eye contact: May cause eye irritation.

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact: May cause mild irritation.

Ingestion: May be Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristic

Eye contact: Adverse symptoms may include the following:

Pain or irritation

Watering

Redness

Inhalation: No known significant effects or critical hazards.

Skin contact: Adverse symptoms may include following:

Irritation

Redness

Ingestion: may be Irritating to mouth, throat and stomach

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Short term exposure

Potential immediate effects: No known significant effects or critical hazards.

Potential delayed effects: No known significant effects or critical hazards.

##### Long term exposure

Potential immediate effects: No known significant effects or critical hazards.

Potential delayed effects: No known significant effects or critical hazards.

#### Potential chronic health effects

General: No known significant effects or critical hazards.

Carcinogenicity: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Developmental effects: No data available.

Fertility effects: No data available.

## **Section 12: Ecological Information**

Toxicity

Ecotoxicity: No data available

Persistence and Degradability: Readily biodegradable based on OECD standard 301A DOC Die---Away test.

Bio---accumulative Potential: No data available

Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ): Not available

Other adverse effects: No known significant effects or critical hazards.

## **Section 13: Disposal Considerations**

Disposal Methods: The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by---products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non---recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration of landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in safe way.

## **Section 14: Transport Information**

Transport Regulation: 49 CFR (USA):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transport Regulation: IMDG (Vessel):

UN 1993, Flammable liquid, n.o.s. , (D---Limonene), 3, III

Transport Regulation: IATA (Cargo Air)

UN 1993, Flammable liquid, n.o.s., (D---Limonene), 3, III

Transport Regulation: IATA ( Passenger Air)

UN 1993, Flammable liquid, n.o.s., (D---Limonene), 3, III

Transport Regulation: TDG (Canada)

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

## **Section 15: Regulatory Information**

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with CERCLARQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

U.S. Federal Regulations: United States Inventory (TSCA): On TSCA inventory

SARA 302

Composition/Information on Ingredients

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

Classification: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

International Lists

National Inventory

Australia (AICS): Not in compliance with the inventory.

Canada (DSL): This product contains one or several components that are not on the Canadian DSL or NDSL.

China (IECSC): Not in compliance with the inventory.

New Zealand (NZIoC): Not in compliance with the inventory.

Philippines (PICCS): Not in compliance with the inventory.

## **Section 16: Other Information**

History

Date of issue: 07/18/2015

Date of previous issue: none

Version: 1

Revised Section(s): Not applicable

Prepared by: Manufacturer

Notice to reader: To the best of our knowledge the information contained herein is accurate, however neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of sustainability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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HMIS III:

Health	1
Fire	0
Physical hazard	0
Personal protection	A