



# Sri Guru Raghavendra Enterprises

Technical & Marketing Consultants

SGRE/MSDS/CC/17-18

10/04/2017

## MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: COOL CARE CT-102.

REACTIVITY 1

PERSONAL PROTECTION A

PRODUCT USE: Online De-Scaler for cooling towers

Date MSDS Prepared: 10<sup>th</sup> April 2017.

MSDS Prepared by: Sri Guru Raghavendra Enterprises  
Post-certification by accredited Lab.

### 1. Ingredients

Ingredient Name	% by weight	Exposure Limits
Vegetable Extract & Oil	08%	Not established
Organic Acids	02%	10326-41-7
Water	90%	7732-18-5

### 2. Hazards Identification

Potential Health Effects:

**INHALATION:** Hazardous in case of heavy Inhalation.

**SKIN CONTACT:** Corrosive to skin on overexposure.

**EYE CONTACT:** Causes eye irritation.

**INGESTION:** Harmful if swallowed. May cause death on overexposure.

### 3. First Aid Measures

**INHALATION:**

**CAUTION:** Avoid breathing spray mist.

**IF INHALED:** Move exposed person(s) to fresh air. Seek immediate medical attention.

**SKIN CONTACT:**

**CAUTION:** Avoid contact with Skin, but no need of special precaution.

**IF ON SKIN:** Washing with water is sufficient.

**EYE CONTACT:**

**CAUTION:** Avoid contact with Eyes.

**IF IN EYES:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water should be used. Get medical attention.



#### 4. Fire Fighting Measures

**Fire and Explosion Hazards:** Non-flammable

**Products on Combustion:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>), Hydrocarbons.

**Fire Hazards in Presence of Various Substances:** Not-flammable in presence of sparks or fire.

**Explosion Hazards in Presence of Various Substances:** Non-explosive if in contact in fire for long time.

**Fire Fighting Media and Instructions:** Water spray is sufficient.

#### 5. Accidental Release Measures:

Prevent this product from reaching surface waters or other water supplies. Soak up the spill with an appropriate absorbent and transfer to waste containers for disposal. Clean the spill area with detergent and water. Individual unbroken containers may be picked up and inspected for use/rework. Contaminated absorbent and wash water should be disposed of according to Local, State and Federal regulations.

**6. Handling and Storage:** Store in areas that are cool, dry and well ventilated. Store containers upright and closed. Keep out of the reach of children and animals. Do not contaminate with other pesticides. Do not contaminate water, feed or food by storage, handling or disposal. Do not smoke while using product. Keep container dry.

**Precautions:** Keep away from heat, ignition sources and strong oxidizers. Do not breathe fumes or spray. Do not ingest. Read and observe all precautions and instructions on product label.

#### 7. Exposure Control/Personal Protection:

**Ventilation:** Local exhaust ventilation is not required.

**Respiratory Protection:** Not required with adequate ventilation.

**Eye Protection:** Safety glasses are recommended during application.

**Gloves:** Recommended.

**Other Protective equipment:** Not required.

NOTE: Personal protection information provided in this Section is based upon label information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or qualified professional be sought.



## 8. Physical Data

Appearance Oily Liquid  
Colour Pale Brown  
pH (1:1000 Solution) 06.62  
Specific Gravity 1.0650  
Fire Point Decomposes at 100°C  
Viscosity 01.21 cP  
Solubility (Water) Miscible in water  
Loss on Ignition 94.4%

## 9. Stability and Reactivity

**Chemical Stability:** Stable  
**Hazardous Polymerization:** Will not occur  
**Instability Temperature:** 200°C  
**Conditions to Avoid:** Heating with Strong Agitation.  
**Copper Corrosion Class:** 1a

## 10. Toxicology Information

**Routes of Entry:** Eye contact. Ingestion.  
**Chronic Effects on Humans:** The substance is toxic to mucous membranes. May cause burning in esophagus.  
**Other Toxic Effects on Humans:** Hazardous in case of ingestion.  
**NOTE:** Information provided in this section is based upon label information.

## 11. Ecological Information

**COD** 7,20,000  
**BOD<sub>5</sub>** 3,80,000  
**Products of Biodegradation:** Short term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** The products of degradation are not toxic and are environment friendly.

## 12. Disposal:

When container is empty, wrap the container and dispose off with ordinary trash.