



# MATERIAL SAFETY DATA SHEET

07/20/04

## SECTION I - PRODUCT AND COMPANY IDENTIFICATION

**Supplier:** Stellar Solutions, Inc.  
4511 Prime Parkway  
McHenry, IL 60050  
(847) 854-2800

**Manufacturer:** Custom Formulating and Blending  
17716 Commerce Drive  
Bristol, IN 46507

**EMERGENCY TELEPHONE:** (Chemtrec) (800) 424-9300  
24 hours

Trade Name: CitriSurf 2210  
Identification Number: **STS-2210**  
Product Use/ Class: Specialty Cleaner

## SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Item</u>	<u>Chemical Name</u>	<u>CAS NO.</u>	<u>% By Wt. less than</u>
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There are no hazardous ingredients in CitriSurf 2210

Citric Acid is "Generally Regarded as Safe", "GRAS", as a general food additive 21 CFR 184.1033

### Exposure limits:

<u>Item</u>	<u>TLV/TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>	<u>TLV-TWA</u>	<u>SKIN</u>
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(See Section 16 for abbreviation legend)

## SECTION III - HAZARDS IDENTIFICATION

**\*\*\*EMERGENCY OVERVIEW\*\*\*:** Harmful if swallowed.

**Effects of Overexposure - Eye Contact:** Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. May cause permanent eye damage if not treated immediately.

**Effects of Overexposure - Skin Contact:** Prolonged or repeated exposures can irritate or burn skin. Reaction may be more severe if there is skin abrasion(s). Allergic sensitization in susceptible individuals is possible.

**Effects of Overexposure - Inhalation:** Prolonged inhalation may be harmful. May cause irritation to nose and throat.

**Effects of Overexposure - Ingestion:** Irritating to mouth, throat and stomach. May cause discomfort, nausea, vomiting, diarrhea if swallowed.



## SECTION VII - HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling. Do not get into eyes, on skin or on clothing.

**STORAGE:** Keep container closed when not in use. Store in corrosion resistant containers. Store away from incompatible materials. Aqueous solutions of citric acid can, if in contact with reactive metals, (iron, zinc, aluminum) form hydrogen- an extremely flammable gas.

## SECTION VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Respiratory Protection:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace condition warrant a respirator's use.

**Skin Protection:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Polyvinyl chloride, Impervious gloves. Consult your glove manufacturer for compatibilities.

**Eye Protection:** Wear chemical splash goggles. DO NOT WEAR CONTACT LENSES.

**Other Protective Equipment:** Wear suitable protective clothing to minimize and /or prevent contact. An eyewash and safety shower should be present in the immediate area when handling this product.

**Hygienic Practices:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in well ventilated area. Follow all MSDS/ label precautions even after containers are emptied because they may retain product residues.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212°F	Melting Point:	NA
Odor:	N.D.	Appearance:	Clear, pale-colorless
Specific Gravity:	1.1	Solubility in Water:	Complete
Vapor Density	Heavier than air	Vapor Pressure	N.D.
Physical State:	Heavy liquid	Odor threshold:	N.D.
Evaporation Rate:	<1	Freeze Point:	N.D.
(Butyl Acetate= 1)		pH @ 100 %	4
Viscosity:	N.D.	Coeff. of water/oil distribution:	N.D.

See Section 16 for abbreviation legend

## SECTION X - STABILITY AND REACTIVITY

Stability: Unstable \_\_\_\_\_ Stable X Conditions to Avoid: NA

Incompatibility: Strong bases, alkali metals, organic acids, oxides of sulfur, strong oxidizers, strong reducing agents, caustic materials.

Hazardous Decomposition or byproducts: Carbon dioxide, carbon monoxide

Hazardous Polymerization: Will not occur under normal conditions.

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**SECTION XI - TOXICOLOGICAL PROPERTIES**

**Threshold Limit Value:** LD 50 (ORAL-RAT) 11.7 g/kg (as dry material)  
LD 50 (SCU-RAT) 5500 mg/kg (as dry material)  
LD 50 (IPR-RAT) 883 mg/kg (as dry material)  
LD 50 (ORAL-MOUSE) 5040 mg/kg (as dry material)

**Carcinogenicity:** NTP? NA IARC Monographs? NA OSHA Regulated? NA

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**SECTION XII - ECOLOGICAL PROPERTIES**

**Ecological Information:** No information.

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**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Disposal Method:** Follow all federal, state and local regulations.

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**SECTION XIV - TRANSPORTATION INFORMATION**

DOT Proper Shipping Name: Compound, Rust Preventing, NOI

DOT Hazard Class: Not DOT Regulated (Class 55)

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**SECTION XV - REGULATORY INFORMATION****U. S. Federal Regulations as follows:**

**OSHA:** Hazardous by definition of Hazard Communication Standard ( 29 CFR 1910.1200)

**CERCLA - SARA Hazard Category:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

**No SARA Section 313 components exist in this product.**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

**No information is available.**

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**SECTION XV - REGULATORY INFORMATION (Continued)**
**NEW JERSEY RIGHT-TO-KNOW:**

No non-hazardous materials are among the top five ingredients.

**PENNSYLVANIA RIGHT-TO-KNOW:**

No non-hazardous ingredients are present in the product at greater than 3%.

**CALIFORNIA PROPOSITION 65:**

No Proposition 65 ingredients are present in the product.

**INTERNATIONAL REGULATIONS: As follows -**

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

Canadian WHMIS Class: No information available.

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**SECTION XVI - OTHER INFORMATION**
**HMIS RATINGS - Health: 1****Flammability: 0****Reactivity: 0**


Signature of Preparer

05/04/00

Date Prepared

07/20/2004

Date Revised

Reason for Revision: Update

Previous Revision Date: 08/17/2001

Legend: N.A. - Not Applicable

N.E. - Not Established N.D. - Not Determined

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