Material Safety Data Sheet: CERTISUDS EF

Supercedes Date 03/26/2012 **Issuing Date** 02/13/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CERTISUDS EF
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0758
Chemical nature Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING
Causes skin irritation
Causes eye irritation
May cause irritation of respiratory tract
May be harmful if swallowed

Color dark pink - Red **Physical State** Liquid **Odor** Citrus

Potential Health Effects

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Skin Absorption, Inhalation.
Acute Effects	
Eyes	Causes eye irritation.
Skin	Causes skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	Kidney injury may occur. May cause disorder and damage to the spleen.
Target Organ Effects	Kidney, Spleen.
Aggravated Medical Conditions	Skin disorders, Respiratory disorders, Kidney disorders.
Potential Environmental Effects	See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Alcohols,C12-14, ethoxylated propoxylated	68439-51-0
Cocamidopropyl betaine	61789-40-0
PEG-4 Rapeseedamide	85536-23-8
Sodium tripolyphosphate	7758-29-4
Trisodium phosphate	7601-54-9

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C **Method** Seta closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Not applicable. **Upper** No data available **Lower** No data available
Suitable Extinguishing Media
Carbon dioxide (CO_2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 1	**Flammability** 1	**Instability** 0
HMIS	**Health** 1	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)
Methods for Cleaning Up Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C
Storage Conditions **Indoor** X **Outdoor** X **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Alcohols,C12-14, ethoxylated propoxylated	No data available	No data available	No data available
Cocamidopropyl betaine	No data available	No data available	No data available
PEG-4 Rapeseedamide	No data available	No data available	No data available
Sodium tripolyphosphate	No data available	No data available	No data available
Trisodium phosphate	No data available	No data available	No data available

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
- **Eye/Face Protection** Safety glasses with side-shields.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Slight Viscous
Color	dark pink - Red	**Odor**	Citrus
Appearance	Transparent	**pH**	9.9
Specific Gravity	1.019	**Evaporation Rate**	0.48 (Butyl acetate=1)
Percent Volatile (Volume)	89.7	**VOC Content (%)**	0.2
VOC Content (g/L)	2	**Vapor Pressure**	16.9 mmHg @ 70°F
Vapor Density	0.6 (Air = 1.0)	**Solubility**	Completely soluble
Boiling Point/Range	214 °F / 101 °C		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid None known
Incompatible Products Strong oxidizing agents, Acids, Bases.
Hazardous Decomposition Products Carbon oxides, Oxides of phosphorus, Sodium oxides, Amines.
Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Alcohols,C12-14, ethoxylated propoxylated	no data available	no data available	no data available	no data available	no data available
Cocamidopropyl betaine	= 4900 mg/kg (Rat)	no data available	no data available	no data available	no data available
PEG-4 Rapeseedamide	no data available	no data available	no data available	no data available	no data available
Sodium tripolyphosphate	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	no data available	no data available	no data available
Trisodium phosphate	> 2000 mg/kg (Rat)	> 2 mg/kg (Rabbit)	> 2.16 mg/L (Rat) 1 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Alcohols,C12-14, ethoxylated propoxylated	no data available	no data available	no data available	no data available	no data available
Cocamidopropyl betaine	no data available	no data available	no data available	no data available	no data available
PEG-4 Rapeseedamide	no data available	no data available	no data available	no data available	no data available
Sodium tripolyphosphate	no data available	no data available	no data available	no data available	Spleen, kidneys
Trisodium phosphate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Alcohols,C12-14, ethoxylated propoxylated	not applicable	not applicable	not applicable	not applicable	not applicable
Cocamidopropyl betaine	not applicable	not applicable	not applicable	not applicable	not applicable
PEG-4 Rapeseedamide	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium tripolyphosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Trisodium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Alcohols,C12-14, ethoxylated propoxylated	no data available	no data available	no data available	no data available	N/A
Cocamidopropyl betaine	EC50 1.0 - 10.0 mg/L Desmodesmus subspicatus 72 h EC50 = 0.55 mg/L Desmodesmus subspicatus 96 h	LC50 1.0 - 10.0 mg/L Brachydanio rerio 96 h LC50 = 2 mg/L Brachydanio rerio 96 h	no data available	EC50= 6.5 mg/L 48 h	N/A
PEG-4 Rapeseedamide	no data available	no data available	no data available	no data available	N/A
Sodium tripolyphosphate	no data available	LC50 = 1650 mg/L Leuciscus idus 48 h	no data available	no data available	N/A
Trisodium phosphate	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Alcohols,C12-14, ethoxylated propoxylated	Not applicable	Not applicable
Cocamidopropyl betaine	Not applicable	Not applicable
PEG-4 Rapeseedamide	Not applicable	Not applicable
Sodium tripolyphosphate	Not applicable	Not applicable
Trisodium phosphate	5000 lb	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

16. OTHER INFORMATION

Prepared By	Angela Hutson
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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