

# Safety Data Sheet: CHEMSEARCH CONCENTRATE EF

Supersedes Date 03/26/2012

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHEMSEARCH CONCENTRATE EF

**Recommended use** Cleaning agent

**Information on Manufacturer**

CHEMSEARCH DIV. OF NCH CORP.

BOX 152170

IRVING, TX 75015

**Product Code** 0758

**Chemical nature** Aqueous solution

**Emergency Telephone Number**

**Telephone inquiry**

972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** dark Pink - Red

**Physical State** Liquid

**Odor** Citrus

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Specific target organ systemic toxicity (repeated exposure)

Category 2

Category 2A

Category 2

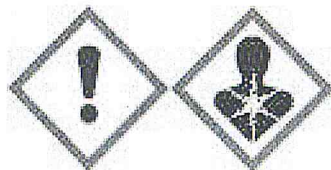
##### Other hazards

None

### Labeling

#### Signal Word

WARNING



#### Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H373 - May cause damage to organs through prolonged or repeated exposure

#### Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.

P260 - Do not breathe mist

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs, get medical attention.

P362 - Take off contaminated clothing and wash before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P501 - Dispose of contents and container in accordance with applicable regulations.

9 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Alcohols, C12-14, ethoxylated propoxylated	68439-51-0	5-10
Cocamidopropyl betaine	61789-40-0	1-5
PEG-4 Rapeseedamide	85536-23-8	1-5
Sodium tripolyphosphate	7758-29-4	1-5
Trisodium phosphate	7601-54-9	1-5

## 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

**Flammability Limits in Air %** Not applicable. **Upper** No data available **Lower** No data available

**Suitable Extinguishing Media** Carbon dioxide (CO2). 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

**Color** dark Pink - Red

**Odor Threshold** Not applicable

**pH** 9.9

**Evaporation Rate** 0.48 (Butyl acetate=1)

**VOC Content (%)** 0.2

**Viscosity** Slight Viscous

**Odor** Citrus

**Appearance** Transparent

**Specific Gravity** 1.019

**Percent Volatile (Volume)** 89.7

**VOC Content (g/L)** 2

Vapor Pressure	16.9 mmHg @ 70°F	Vapor Density	0.6 (Air = 1.0)
Solubility	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	214 °F / 101 °C	Flammability (solid, gas)	No data available
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

## 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

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

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.

### 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

**16. OTHER INFORMATION**

**Prepared By** Angela Hutson  
**Supersedes Date** 03/26/2012  
**Issuing Date** 07/02/2013  
**Reason for Revision** No information available.

**Glossary**

No information available.

**List of References.**

No information available.

**CHEMSEARCH DIV. OF NCH CORP.** assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.