

# Safety Data Sheet: CERTIFIED 15000MT

Supersedes Date 12/26/2012

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CERTIFIED 15000MT  
**Recommended use** Water treatment chemical  
**Information on Manufacturer**  
CERTIFIED LABS, DIV. OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 775C  
**Chemical nature** Aqueous solution  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Yellow - Dark amber

**Physical State** Liquid

**Odor** Sweet

### GHS Classification

#### Physical Hazards

Substances/mixtures corrosive to metal

Category 1

#### Health Hazard

Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation

Category 1

Category 1

#### Other hazards

None

### Labeling

#### Signal Word

DANGER



#### Hazard Statements

H314 - Causes severe skin burns and eye damage  
H290 - May be corrosive to metals

#### Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P260 - Do not breathe mist  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower  
P332 + P313 - If skin irritation occurs, get medical attention.  
P363 - Wash contaminated clothing 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.  
P310 - Immediately call a physician  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P342 + P311 - If experiencing respiratory symptoms, call a physician  
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.  
P406 - Store in a corrosion-resistant container.  
P390 - Absorb spillage to prevent damage  
P501 - Dispose of contents and container in accordance with applicable regulations.

17 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
2-Phosphonobutane-1,2,4-tricarboxylic acid, sodium salt	40372-66-5	5-10
Sodium hydroxide	1310-73-2	5-10
Sodium polyacrylate	9003-04-7	1-5
Polymaleic acid, sodium salt	70247-90-4	1-5

Tolyltriazole Sodium Salt	64665-57-2	1-5
Sodium molybdate	7631-95-0	0.1-1

#### 4. FIRST AID MEASURES

<b>General advice</b>	Do not get in eyes, on skin or on clothing. Do not breathe mist.
<b>Eye Contact</b>	Immediately flush eyes for at least 15 minutes. Get medical attention. Get medical attention immediately.
<b>Skin Contact</b>	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Seta closed cup
<b>Flammability Limits in Air % Hydrogen, by reaction with metals.</b>		<b>Upper</b>	75
		<b>Lower</b>	4
<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO2). Foam. Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health</b> 3	<b>Flammability</b> 1	<b>Instability</b> 0
<b>HMIS</b>	<b>Health</b> 3	<b>Flammability</b> 1	<b>Instability</b> 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	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).
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	Acetic acid, diluted.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Do not get in eyes, on skin or on clothing. Do not breathe mist.			
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.			
<b>Storage Temperature</b>	<b>Minimum</b>	45 °F / 7 °C	<b>Maximum</b>	115 °F / 46 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Sodium polyacrylate	3 mg/m <sup>3</sup> PNOS	5 mg/m <sup>3</sup> PNOR	No data available
Sodium molybdate	TWA: 0.5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	No data available

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin Protection</b>	Wear suitable protective clothing, Impervious gloves.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General Hygiene Considerations**

Wear protective gloves/clothing. 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

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Yellow - Dark amber	<b>Odor</b>	Sweet
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent
<b>pH</b>	13.64	<b>Specific Gravity</b>	1.201
<b>Evaporation Rate</b>	0.47 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	85.3
<b>VOC Content (%)</b>	0	<b>VOC Content (g/L)</b>	0
<b>Vapor Pressure</b>	13.92 mmHg @ 70°F	<b>Vapor Density</b>	0.6 (Air = 1.0)
<b>Solubility</b>	Completely soluble	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	> 212 °F / 100 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Hydrogen, by reaction with metals.	<b>Upper 75 Lower 4</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents, Acids, Light and/or alkaline metals, Aldehydes, Halogenated hydrocarbon, Reducing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Nitrogen oxides (NOx), Hydrocarbons, Potassium oxides, Sodium oxides, Oxides of phosphorus, Phosphorus compounds, Acrylate monomers, Hydrogen, by reaction with metals.
<b>Possibility of Hazardous Reactions</b>	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):

<b>Oral LD50</b>	81,079.33
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	247.67
<b>Vapor</b>	247.67

**Principle Route of Exposure** Skin contact, Eye contact.

**Primary Routes of Entry** Inhalation, Ingestion.

**Acute Effects**

**Eyes** Corrosive to the eyes and may cause severe damage including blindness.

**Skin** Causes skin burns.

**Inhalation** Harmful by inhalation. Causes burns.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Toxicity**

Inhaled corrosive substances can lead to a toxic edema of the lungs.

**Target Organ Effects**

Skin, Eyes, Respiratory system.

**Aggravated Medical Conditions**

Respiratory disorders, Skin disorders.

**Component Information****Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium hydroxide	no data available	= 1350 mg/kg ( Rabbit )	no data available	no data available	no data available
Sodium polyacrylate	5000 mg/kg	2000 mg/kg	no data available	no data available	no data available
Sodium molybdate	= 4000 mg/kg ( Rat )	no data available	> 2080 mg/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Sodium molybdate	no data available	no data available	no data available	no data available	respiratory system, eyes, kidneys, blood, bone, pancreas

**Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium molybdate	A3	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

### Product Information

Toxicity to fish
Pimephales promelas (fathead minnow) LC50 1,588 mg/L 96h

### Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium hydroxide	no data available	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	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

<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Hazard Class</b>	8
<b>UN-No</b>	UN3266
<b>Packing Group</b>	II
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Sodium tolytriazole, Sodium hydroxide), 8, PG II

### TDG

<b>Hazard Class</b>	8
<b>UN-No</b>	UN3266
<b>Packing Group</b>	II

### ICAO

<b>UN-No</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Shipping Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Sodium tolytriazole, Sodium hydroxide), 8, PG II

### IATA

<b>UN-No</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Shipping Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Sodium tolytriazole, Sodium hydroxide), 8, PG II

### IMDG/IMO

<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Hazard Class</b>	8
<b>UN-No</b>	UN3266
<b>Packing Group</b>	II
<b>Shipping Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Sodium tolytriazole, Sodium hydroxide), 8, PG II

## 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 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	No	No	No	No

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hydroxide	1000 lb	Not applicable

<b>16. OTHER INFORMATION</b>
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**Reason for Revision** No information available.  
**Glossary** No information available.  
**List of References.** No information available.

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