

# Safety Data Sheet: AQUA-SOL 20/20

Supersedes Date: 02/09/2017

Issuing Date: 04/22/2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** AQUA-SOL 20/20  
**Recommended use** Water based degreaser  
**Information on Manufacturer**  
CERTIFIED LABS, DIV. OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code:** 0237  
**Chemical nature** Mixture  
**Emergency Telephone**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Yellow - Grass green

**Physical state** Liquid

**Odor** Mild

### GHS Classification

#### Physical Hazards

Corrosive to Metals

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 vapor or 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 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.  
P390 - Absorb spillage to prevent damage.  
P406 - Store in a corrosion-resistant container.  
P501 - Dispose of contents and container in accordance with applicable regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium metasilicate	6834-92-0	1-5
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	60828-78-6	1-5

\*The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

<b>General advice</b>	Do not get in eyes, on skin or on clothing. Do not breathe vapor or mist.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. 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>	Does not flash	<b>Method</b>	No data available
<b>Flammability Limits in Air %:</b>	Hydrogen, by reaction with metals.	<b>Upper:</b>	75
		<b>Lower:</b>	4
<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Material can create slippery conditions. Contact with metals may evolve flammable hydrogen gas.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health</b> 3	<b>Flammability</b> 0	<b>Instability</b> 0
<b>HMIS -</b>	<b>Health</b> 3	<b>Flammability</b> 0	<b>Physical Hazard</b> 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. 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 vapor or mist.			
<b>Storage</b>	Store in original container. 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>	36 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<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.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	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 - Grass green	<b>Odor</b>	Mild
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent

<b>pH</b>	12.4	<b>Specific Gravity</b>	1.05
<b>Evaporation Rate</b>	No data available	<b>Percent Volatile (Volume)</b>	No data available
<b>VOC Content (%)</b>	0	<b>VOC Content (g/L)</b>	0
<b>Vapor pressure</b>	16.5 mmHg @ 70°F	<b>Vapor Density</b>	No information available
<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>	210 °F / 99 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	Does not flash	<b>Method</b>	No data available
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %:</b>	Hydrogen, by reaction with metals	<b>Upper:</b> 75 <b>Lower:</b> 4	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Products</b>	Strong acids, Strong oxidizing agents, Strong bases, Alkalis.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Carbon oxides, Oxides of phosphorus, Sodium oxides, Contact with specific metals may liberate Hydrogen gas, Nitrogen oxides (NOx), Sulfur oxides.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

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

**Primary Routes of Entry** Skin contact, Ingestion.

**Acute Effects:**

<b>Eyes</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin</b>	Causes skin burns.
<b>Inhalation</b>	Harmful by inhalation. Causes burns.
<b>Ingestion</b>	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. 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:** No information available.

**Aggravated Medical Conditions** None known.

Component Information

**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium metasilicate 6834-92-0	= 1153 mg/kg ( Rat )	no data available	No data available	No data available	No data available
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol 60828-78-6	= 5650 mg/kg ( Rat ) = 7460 µL/kg ( Rat ) = 2100 mg/kg ( Rat ) = 32 mL/kg ( Rat )	= 4780 µL/kg ( Rabbit ) = 8480 µL/kg ( Rabbit ) = 2 mL/kg ( Rabbit ) = 5660 µL/kg ( Rabbit )	No data available	No data available	No data available

**Chronic Toxicity** No information available.

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient

Sodium metasilicate	No information available.	LC50 = 210 mg/L Brachydanio rerio 96 h	No information available.	216: 96 h Daphnia magna mg/L EC50	nt N/A
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**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. Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

#### DOT

**Proper Shipping Name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Hazard Class** 8  
**UN-No** UN3266  
**Packing Group** II  
**Description** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM METASILICATE PENTAHYDRATE),8, PG PG II

#### TDG

**Proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Hazard Class** 8  
**UN-No** UN3266  
**Packing Group** II  
**Description** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM METASILICATE PENTAHYDRATE),8, PG PG II

#### ICAO

**UN-No** UN3266  
**Proper Shipping Name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Hazard Class** 8  
**Packing Group** II  
**Shipping Description** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM METASILICATE PENTAHYDRATE),8, PG PG II

#### IATA

**UN-No** UN3266  
**Proper Shipping Name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Hazard Class** 8  
**Packing Group** II  
**Shipping Description** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM METASILICATE PENTAHYDRATE),8, PG PG II

#### IMDG/IMO

**UN proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Hazard Class** 8  
**UN Number** UN3266  
**Packing Group** II  
**Description** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM METASILICATE PENTAHYDRATE),8, PG 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values
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Tripropylene Glycol Methyl Ether	25498-49-1	3-7	1.0
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**SARA 311/312 Hazardous Categorization**

See Section 2

**CERCLA****16. OTHER INFORMATION**

<b>Prepared By</b>	Pamela Starkey
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<b>Reason for Revision</b>	No information available.
<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

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