

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name AQUA-SOL 20/20 CONCRETE
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 Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
 WARNING
 Severe skin irritation
 Severe eye irritation
 May be harmful if inhaled
 Harmful if swallowed

Color Yellow - Green
Potential Health Effects
Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Inhalation
Acute Effects
Eyes Severe irritation.
Skin Severe irritation.
Inhalation Causes respiratory tract irritation. (Mist). Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion Irritating to mouth, throat, and stomach.
Chronic toxicity Liver and kidney injuries may occur. Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects Central nervous system, Liver, Kidney, Bladder.
Aggravated Medical Conditions Neurological disorders, Respiratory disorders, Kidney disorders, Liver disorders, Skin disorders.
Potential Environmental Effects See Section 12 for additional Ecological information.

Physical State Liquid

Odor Mild

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Sodium Metasilicate, Pentahydrate	10213-79-3
Trippropylene glycol monomethyl ether	25498-49-1
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	60828-78-6
Metasilicic acid	7699-41-4
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 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.
Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
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 immediately. Never give anything by mouth to an unconscious person.
Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash
Autoignition Temperature No information available.
Flammability Limits in Air % Hydrogen, by reaction with metals.
Suitable Extinguishing Media Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical Material can create slippery conditions. Contact with metals may evolve flammable hydrogen gas.
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 2 Flammability 1 Instability 0
HMS Health 2 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
Neutralizing Agent**

Pick up and transfer to properly labeled containers.
Not applicable.

7. HANDLING AND STORAGE**Handling
Storage**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
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
Storage Conditions**

Minimum 35°F/2°C **Maximum** 120°F/49°C
Indoor X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium Metasilicate, Pentahydrate	No data available	No data available	No data available
Tripropylene glycol monomethyl ether	No data available	No data available	No data available
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	No data available	No data available	No data available
Metasilicic acid	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**

Tightly fitting safety goggles.

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	Non viscous
Color	Yellow - Green	Odor	Mild
Appearance	Transparent	pH	12.4
Specific Gravity	1.05	Evaporation Rate	0.54 (Butyl acetate=1)
Percent Volatile (Volume)	94.7	VOC Content (%)	3.8
VOC Content (g/L)	40	Vapor Pressure	16.4 mmHg @ 70°F
Vapor Density	0.6 (Air = 1.0)	Solubility	Completely soluble
Boiling Point/Range	210°F/99°C		

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Products

Strong acids, Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides, Oxides of phosphorus, Sodium oxides.

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
Sodium Metasilicate, Pentahydrate	= 600 mg/kg (Rat)	no data available	no data available	no data available	no data available
Tripropylene glycol monomethyl ether	= 3184 mg/kg (Rat)	= 15440 mg/kg (Rabbit)	no data available	no data available	no data available
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	= 7460 µL/kg (Rat)	= 8480 µL/kg (Rabbit)	no data available	no data available	no data available
Metasilicic acid	no data available	no data available	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
Sodium Metasilicate, Pentahydrate	no data available	no data available	no data available	no data available	no data available
Tripropylene glycol monomethyl ether	no data available	no data available	no data available	no data available	CNS, Kidney, Bladder
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	no data available	no data available	no data available	no data available	Bladder, Liver, Kidneys
Metasilicic acid	no data available	no data available	no data available	no data available	no data available
Trisodium phosphate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium Metasilicate, Pentahydrate	not applicable	not applicable	not applicable	not applicable	not applicable
Tripropylene glycol monomethyl ether	not applicable	not applicable	not applicable	not applicable	not applicable
2,6,8-Trimethyl-4-nonyloxy polyethylene	not applicable	not applicable	not applicable	not applicable	not applicable

oxyethanol					
Metasilicic acid	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
Sodium Metasilicate, Pentahydrate	no data available	= 210 mg/L Brachydanio rerio 96 h	no data available	= 216 mg/L 96 h	N/A
Tripropylene glycol monomethyl ether	no data available	= 11619 mg/L Pimephales promelas 96 h	no data available	> 10 mg/L 48 h	N/A
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	no data available	no data available	no data available	no data available	N/A
Metasilicic acid	no data available	no data available	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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Tripropylene glycol monomethyl ether	25498-49-1	1-5	1.0

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
Sodium Metasilicate, Pentahydrate	Not applicable	Not applicable
Tripropylene glycol monomethyl ether	Not applicable	Not applicable
2,6,8-Trimethyl-4-nonyloxy polyethylene oxyethanol	Not applicable	Not applicable
Metasilicic acid	Not applicable	Not applicable
Trisodium phosphate	Not applicable	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	Anita Stelly
Supersedes Date	01/22/2008
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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