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Version 1

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Name** CONQUER**Other means of identification****Product Code** 075  
**UN/ID No.** NA1760  
**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Heavy Duty Warewash Detergent.  
**Uses advised against** No information available**Manufacturer Address**

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

**Emergency telephone number**

Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category A |
| Serious eye damage/eye irritation | Category 1                |
| Corrosive to metals               | Category 1                |

**Label elements****Emergency Overview****Danger****Hazard statements**Causes severe skin burns and eye damage  
May be corrosive to metals

Causes severe irritation and or burns

**Appearance** aqueous solution**Physical state** liquid**Odor** Slight chlorine**Precautionary Statements - Prevention**Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

Specific treatment (see Section 4 on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up

Store in a corrosive resistant container.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS No.   | Weight-% | Trade Secret |
|---------------------|-----------|----------|--------------|
| Sodium hydroxide    | 1310-73-2 | 15.6     |              |
| Sodium hypochlorite | 7681-52-9 | 3        |              |

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

### 4. FIRST AID MEASURES

**First aid measures****General advice**

Immediate medical attention is required.

**Eye contact**

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

**Skin Contact**

Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

**Inhalation**

Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

**Ingestion**

Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Corrosive. Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. Causes irritation (possibly severe), burns to the skin. Causes irritation (possibly severe), burns, pulmonary edema to the respiratory tract. Causes irritation (possibly severe), burns, nausea, vomiting to the gastrointestinal tract. The severity of effects depend on concentration and how soon after exposure the area is washed.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** None known.

### Specific hazards arising from the chemical

If the stock solution container breaks, the solution should be handled with care as it is corrosive. Direct contact with water can cause a violent exothermic reaction.

**Hazardous combustion products** Oxides of sulfur.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 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. Use water spray to cool fire exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                                  |                                                                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment.                                                                                                                                                       |
| <b>Environmental precautions</b> | Prevent run-off into ground or surface waters or sewers. See Section 12 for additional ecological information.                                                                                                                                         |
| <b>Methods for containment</b>   | Completely contain spilled material with dikes or sand bags, etc.                                                                                                                                                                                      |
| <b>Methods for cleaning up</b>   | Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

### Conditions for safe storage, including any incompatibilities

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Conditions</b>     | Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored. |
| <b>Incompatible materials</b> | Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Avoid contact with leather, wool, organic nitro compounds. Reacts with strong acids and will yield chlorine gas.                                                                                                                                                                       |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

| Chemical Name                 | ACGIH TLV                    | OSHA PEL                                                           | NIOSH IDLH                                                 |
|-------------------------------|------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> |

**Appropriate engineering controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

|                                 |                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                     |
| <b>Skin and body protection</b> | Natural rubber, neoprene or nitrile gloves should be worn. If contact is anticipated, wear protective clothing appropriate to use conditions.                                                                                                                                                                           |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

**General Hygiene Considerations** Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |                    |                       |                          |
|-----------------------|--------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid             | <b>Odor</b>           | Slight chlorine          |
| <b>Appearance</b>     | aqueous solution   | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | clear light yellow |                       |                          |

| <u>Property</u>                      | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------------|--------------------------|-------------------------|
| <b>pH</b>                            | 12.6, 1% solution        |                         |
| <b>Melting point/freezing point</b>  | No information available |                         |
| <b>Boiling point / boiling range</b> | No information available |                         |
| <b>Flash point</b>                   | Not applicable           |                         |
| <b>Evaporation rate</b>              | No information available |                         |
| <b>Flammability (solid, gas)</b>     | No information available |                         |
| <b>Flammability Limit in Air</b>     |                          |                         |
| <b>Upper flammability limit:</b>     | No information available |                         |
| <b>Lower flammability limit:</b>     | No information available |                         |
| <b>Vapor pressure</b>                | No information available |                         |
| <b>Vapor density</b>                 | No information available |                         |
| <b>Specific Gravity</b>              | 1.252                    |                         |
| <b>Water solubility</b>              | Soluble in water         |                         |
| <b>Solubility in other solvents</b>  | No information available |                         |
| <b>Partition coefficient</b>         | No information available |                         |
| <b>Autoignition temperature</b>      | No information available |                         |
| <b>Decomposition temperature</b>     | No information available |                         |
| <b>Kinematic viscosity</b>           | No information available |                         |
| <b>Dynamic viscosity</b>             | No information available |                         |
| <b>Explosive properties</b>          | No information available |                         |
| <b>Oxidizing properties</b>          | No information available |                         |

**Other Information**

**Softening point** No information available  
**Molecular weight** No information available

VOC Content (%) No information available  
 Density No information available  
 Bulk density No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Will react with some metals forming flammable hydrogen gas. Will react with acids to produce chlorine gas.

### Incompatible materials

Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Avoid contact with leather, wool, organic nitro compounds. Reacts with strong acids and will yield chlorine gas.

### Hazardous Decomposition Products

Toxic fumes of sodium oxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** No data available

**Inhalation** Not an expected route of exposure.

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

**Skin Contact** Contact causes severe skin irritation and possible burns.

**Ingestion** Harmful if swallowed.

| Chemical Name                    | Oral LD50            | Dermal LD50              | Inhalation LC50 |
|----------------------------------|----------------------|--------------------------|-----------------|
| Sodium hydroxide<br>1310-73-2    | -                    | = 1350 mg/kg ( Rabbit )  | -               |
| Sodium hypochlorite<br>7681-52-9 | = 8200 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | -               |

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.

| Chemical Name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 | -     | Group 3 | -   | -    |

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

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

ATEmix (dermal) 8227 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects

3.4% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                    | Algae/aquatic plants                          | Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Crustacea                                                                                  |
|----------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Sodium hydroxide<br>1310-73-2    | -                                             | 45.4: 96 h Oncorhynchus mykiss<br>mg/L LC50 static                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                          |
| Sodium hypochlorite<br>7681-52-9 | 0.095: 24 h Skeletonema costatum<br>mg/L EC50 | 0.06 - 0.11: 96 h Pimephales<br>promelas mg/L LC50 flow-through<br>4.5 - 7.6: 96 h Pimephales promelas<br>mg/L LC50 static 0.4 - 0.8: 96 h<br>Lepomis macrochirus mg/L LC50<br>static 0.28 - 1: 96 h Lepomis<br>macrochirus mg/L LC50<br>flow-through 0.05 - 0.771: 96 h<br>Oncorhynchus mykiss mg/L LC50<br>flow-through 0.03 - 0.19: 96 h<br>Oncorhynchus mykiss mg/L LC50<br>semi-static 0.18 - 0.22: 96 h<br>Oncorhynchus mykiss mg/L LC50<br>static | 2.1: 96 h Daphnia magna mg/L<br>EC50 0.033 - 0.044: 48 h Daphnia<br>magna mg/L EC50 Static |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Sodium hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |

## 14. TRANSPORT INFORMATION

**DOT**

UN/ID No.

Regulated

Proper shipping name

NA1760

Hazardous ingredients

Compounds, Cleaning Liquid  
(Sodium Hydroxide/Sodium Hypochlorite)

Hazard Class

8

Packing Group

II

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Does not comply |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US 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 Hazard Categories

|                                          |     |
|------------------------------------------|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide<br>1310-73-2    | 1000 lb                     | -                      | -                         | X                          |
| Sodium hypochlorite<br>7681-52-9 | 100 lb                      | -                      | -                         | X                          |

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical Name                 | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|-------------------------------|--------------------------|----------------|-------------------------------------------|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

