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## Safety Data Sheet

Revision Date: 1/4/2021

### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product Identifier

Trade Name                      SELECT 35  
Product Form                    Mixture  
Product Code                    11-12850

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of Product                    Alkaline Presoak

#### 1.3 Details of the Supplier of the safety data sheet

ChemQuest Inc.  
21365 Hamburg Ave.  
Lakeville, MN 55024  
(877)437-3478  
infocq@chemquestinc.com

#### 1.4 Emergency telephone number

Emergency Number              ChemTrec 1-800-424-9300

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance

##### Classification

| <u>Hazard Code</u> | <u>Hazard Class</u>                                    | <u>Hazard Category</u> |
|--------------------|--|------------------------|
| H314               | Skin corrosion/irritation                              | 1B                     |
| H317               | Sensitization, skin                                    | 1                      |
| H370               | Specific target organ toxicity, single exposure        | 1                      |
| H373               | Specific target organ toxicity, repeated exposure      | 2                      |
| H401               | Hazardous to the aquatic environment, acute toxicity   | 2                      |
| H411               | Hazardous to the aquatic environment, chronic toxicity | 2                      |

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFEETY PRACTICES

#### 2.2 Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

##### Hazard Statements (GHS-US):

H314: Causes severe skin burns and eye damage  
H317: May cause allergic skin reaction  
H370: Causes damage to organs  
H373: May cause damage to organs through prolonged or repeated exposure  
H401: Toxic to aquatic life  
H411: Toxic to aquatic life with long lasting effects

##### Precautionary Statements (GHS-US):

P260: Do not breathe dust/fumes/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P272: Contaminated work clothing should not be allowed out of the workplace  
P273: Avoid release into the environment

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P280: Wear protective gloves/protective clothing/eye protection/face protection  
P310: Immediately call a POISON CENTER or doctor/physician  
P321: Specific treatment (see section 4)  
P363: Wash contaminated clothing before reuse  
P391: Collect spillage  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P302+P352: IF ON SKIN: Wash with soap and water  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P307+P311: IF exposed: Call a POISON CENTER or doctor/physician  
P333+P313: If skin irritation or a rash occurs: Get medical advice/attention  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local, state and federal authorities.

### 2.3 Other Hazards

No additional information available

### 2.4 Unknown acute toxicity (GHS-US)

No Data Available

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

| <b>Ingredient Name</b>   | <b>CAS #</b> | <b>Composition</b> |
|--|--------------|--------------------|
| Water  | 7732-18-5    | >75%               |
| Sodium Hydroxide   | 1310-73-2    | 5-10%              |
| Amines, C10-16-Alkyldimethyl, N-oxides   | 70592-80-2   | 1-5%               |
| Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides | 61791-10-4   | 1-5%               |
| Poly(oxy-1,2-ethanediyl), a-uncelcyl-w-hydroxy-  | 34398-01-1   | 1-5%               |
| Tetrasodium (1-hydroxyethylidene)bisphosphonate  | 3794-83-0    | 1-5%               |
| Tetrasodium ethylenediamine tetraacetate   | 64-02-8      | 1-5%               |

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

|                              |   |
|------------------------------|---|
| First-Aid measures general   | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).   |
| First-Aid after inhalation   | IF INHALED. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention.   |
| First-Aid after skin contact | IF ON SKIN. Wash with soap and water. IF ON SKIN (or hair). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Immediately rinse with plenty of water (for at least 15 minutes).            |
| First-Aid after eye contact  | IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention. |
| First-Aid after ingestion    | IF SWALLOWED. Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.   |

### 4.2 Most important symptoms and effects, both acute and delayed

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|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries                    | Causes severe skin burns and eye damage. May cause allergic skin reaction. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. |
| Symptoms/injuries after inhalation   | May cause headache, nausea and irritation of respiratory tract.  |
| Symptoms/injuries after skin contact | Causes severe skin burns and eye damage. May cause allergic skin reaction.   |
| Symptoms/injuries after eye contact  | Causes severe skin burns and eye damage.   |
| Symptoms/injuries after ingestion    | May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.  |
| Chronic symptoms                     | May cause damage to organs through prolonged or repeated exposure.   |

### 4.3 Indication of immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing media

Suitable Extinguishing Media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray.

### 5.2 Special hazards arising from the substance or mixture

Fire Hazard The product is not flammable.

Explosion Hazard The product is not explosive.

Reactivity Concentrated solution contact with soft metals(e.g. aluminum) will produce hydrogen gas.

### 5.3 Special hazards arising from the substance or mixture

Firefighting instructions Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

General measures Ventilate area. Avoid breathing vapors, mist or gas. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

#### 6.1.1 For non-emergency personnel

Protective equipment Wear Protective equipment as described in Section 8.

Emergency procedures Contain the spill. Do not let product enter drains. Remove unnecessary personnel.

#### 6.1.2 For emergency responders

Protective equipment Wear Protective equipment as described in Section 8.

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3 Methods and material for containment and cleaning up

For containment Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 6.4 reference to other sections

No additional information available.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Precautions for safe handling Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes or on skin. Do not breathe mist or vapor. Do not swallow. Store between 50 F & 100 F. Keep separate from incompatible materials.

### 7.2 Conditions for safe storage, including and incompatibilities

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Storage conditions

Store locked up. Store in approved containers only. Keep container in a cool, well ventilated place away from heat sources and incompatible materials (See Section 10.5). Keep container tightly closed.

### 7.3 Specific end uses

No additional information

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless listed stated below:

| Sodium hydroxide, CAS # 1310-73-2 |                 |                    |                  |
|-----------------------------------|-----------------|--------------------|------------------|
| OSHA PEL (TWA)                    | OSHA PEL (STEL) | OSHA PEL (Ceiling) | ACGIH-TLV        |
| 2 mg/m3                           | Not Established | Not Established    | 2 mg/m3(Ceiling) |

### 8.2 Exposure Controls

|                               |  |
|-------------------------------|--|
| Personal protective equipment | Protective safety glasses or goggles. Chemically resistant gloves. Protective clothing. Possibly a face shield and or respiratory protection of the dependent type.              |
| Hand protection               | Chemical resistant gloves.   |
| Eye protection                | Use chemical resistant safety glasses or goggles. A face shield should be worn when the possibility exists for eye or face contact due to spraying liquid or airborne particles. |
| Skin and body protection      | Wear long sleeves. Wear suitable protective clothing. Possibly a face shield.  |
| Respiratory protection        | Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment.  |

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                   |                   |
|-----------------------------------|-------------------|
| Appearance                        | Tinted Liquid     |
| Color                             | Green             |
| Odor                              | Lemon             |
| Odor threshold                    | No data available |
| pH                                | 13.5              |
| Relative Evaporation rate (butyl) | No data Available |
| Melting point                     | No data Available |
| Freezing point                    | No data Available |
| Boiling point                     | No data Available |
| Flash point                       | No Data Available |
| Self ignition point               | No data Available |
| Decomposition temperature         | No data Available |
| Flammability (solid, gas)         | No data Available |
| Vapor pressure                    | No data Available |
| Relative vapor density at 20° C   | No data Available |
| Relative Density                  | 1.097 g/ml        |
| Solubility                        | Water soluble     |
| Log Pow                           | No data Available |
| Log Kow                           | No data Available |
| Viscosity: Kinematic              | No data Available |
| Viscosity: dynamic                | No data Available |
| Explosive properties              | No data Available |
| Oxidizing properties              | No data Available |
| Explosive Limits                  | No data Available |

### 9.2 Exposure Controls

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Contact with reactive metals (e.g. aluminum) may result in the generation of hydrogen gas.

#### 10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions

Corrosive in contact with metals. Contact with metallic substances may release flammable hydrogen gas. Contact with strong acids can create excess heat and cause spattering.

#### 10.4 Conditions to avoid

None known

#### 10.5 Incompatible Materials

Avoid contact with: bases, metals, reducers, oxidizers, metal salts, strong acids, metal oxides, organic acids, mineral acids, hypochlorites, amphoteric metals, alkali earth metals, halogenated materials, and combustible materials

#### 10.6 Hazardous decomposition products

Thermal decomposition can result in: ammonia, phosphines, nitric acid, sodium oxides, carbon oxides, carbon dioxide, nitrogen oxides, carbon monoxide, and oxides of phosphorus

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LD50: > 5 mg/l (Dust/mist (Rat)) Calculated

|   |   |
|---|---|
| Skin Corrosion/irritation                 | Causes severe skin burns and eye damage   |
| Serious eye damage/irritation             | Causes severe skin burns and eye damage   |
| Respiratory or skin sensitization         | May cause allergic skin reaction  |
| Germ cell mutagenicity                    | Not Classified  |
| Carcinogenicity                           | Not Classified  |
| Reproductive toxicity                     | Not Classified  |
| Specific organ toxicity single exposure   | Single exposure can result in damage to: respiratory system, eyes, and mucous membranes |
| Specific organ toxicity repeated exposure | Not Classified  |
| Aspiration hazard                         | Not Classified  |
| Symptoms/injuries after inhalation        | See Section 4   |
| Symptoms/injuries after skin contact      | See Section 4   |
| Symptoms/injuries after eye contact       | See Section 4   |
| Symptoms/injuries after ingestion         | See Section 4   |
| Chronic symptoms                          | Not Classified  |

### SECTION 12: Ecological information

#### 12.1 Toxicity

No Data

#### 12.2 Persistence and degradability

No Data

#### 12.3 Bioaccumulative potential

No Data

#### 12.4 Mobility in soil

No Data

#### 12.5 Other adverse effect

No Data

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### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment methods

|                                |   |
|--------------------------------|---|
| Waste treatment methods        | Do not discharge to public wastewater systems without permit of pollution control authorities.<br>No discharge to surface waters is allowed without NPDES permit. |
| Waste disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released to the environment.                               |

### SECTION 14: Transportation information

#### 14.1 UN number, proper shipping name, class and packaging groups.

##### Domestic Ground Non-Bulk Shipments

UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

#### 14.2 Additional information

Not available

### SECTION 15: Regulatory Information

#### 15.1 Federal regulations

**TSCA Inventory:** The components of this product are listed.

**SARA 311/312 Hazard category (40 CFR 370.2):** Acute and chronic health hazard.

**SARA 313 Toxic Release Reporting (40CFR Part 372):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**SARA 302 EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**SARA 304 EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**CERCLA Section 102-103 HS Released Reporting (40 CFR part 302-102a):** Sodium Hydroxide, CAS# 1310-73-2, RQ 1,000 lbs.

#### 15.2.1 International regulations

No Data

#### 15.2.2 National regulations

No Data

#### 15.3 State Regulations

##### California Prop. 65

Approximate quantities by weight

- Nitrotriacetate, trisodium salt/ cancer/ CAS# 5064-31-3/ Trace
- Methyl chloride/ developmental / CAS# 74-87-3/ Trace
- Methyl chloride [Basis for listing changed effective March 7, 2014]/ male / CAS# 74-87-3/ Trace
- Ethylene oxide/ cancer/ CAS# 75-21-8/ Trace
- Ethylene oxide / developmental, female/ CAS# 75-21-8/ Trace
- Ethylene oxide / developmental, male / CAS# 75-21-8/ Trace

##### New Jersey Right to Know

Approximate quantities by weight

- SODIUM HYDROXIDE/ CAS# 1310-73-2/ 5-10% by wt.
- HYDROGEN PEROXIDE/ CAS# 7722-84-1/ 0.1-1% by wt.
- alpha-PINENE/ CAS# 80-56-8/ Trace
- METHYL CHLORIDE/ CAS# 74-87-3/ Trace
- ETHYLENE OXIDE/ CAS# 75-21-8/ Trace
- COPPER/ CAS# 7440-50-8/ Trace

### SECTION 16: Other Information

Other information          None

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### NFPA

NFPA Health Hazard 3

NFPA Fire Hazard 0

NFPA Reactivity 1

### HMIS

Health 3

Flammability 0

Physical 1

Personal Protection X

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