

Issue Date 14-Mar-2022

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Version 1

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Name** ELIMINATE**Other means of identification****Product Code** 443  
**UN/ID No.** See section 14  
**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Caustic Gel Cleaner.  
**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**Appearance** aqueous solution**Physical state** liquid**Odor** Odorless**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**

Harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name       | CAS No.     | Weight-% | Trade Secret |
|---------------------|-------------|----------|--------------|
| Potassium hydroxide | 1310-58-3   | <15      |              |
| Glycol Ether DPM    | 34590-94-8  | <2       |              |
| Sodium hydroxide    | 1310-73-2   | <2       |              |
| TSRN3549            | Proprietary | <2       |              |

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

### 4. FIRST AID MEASURES

**First aid measures**

|                                           |                                                                                                                                                                                                     |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Immediate medical attention is required.                                                                                                                                                            |
| <b>Eye contact</b>                        | Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.                                                                    |
| <b>Skin Contact</b>                       | Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.                                                   |
| <b>Inhalation</b>                         | Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.                                                                                                      |
| <b>Ingestion</b>                          | 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. |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.                                                                                                           |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | 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**

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | 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** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

If the stock solution container breaks, the solution should be handled with care as it is corrosive. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

#### 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. Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment. Avoid contact with skin, eyes and clothing.

**Other Information** Not Applicable.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent product from entering drains. See Section 12 for additional ecological information.

**Methods for containment** Completely contain spilled material with dikes or sand bags, etc.

**Methods for cleaning up** 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

**Storage Conditions** 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.

**Incompatible materials** Flammable liquids, Acids, Halogenated compounds, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

| Chemical Name                                 | ACGIH TLV                           | OSHA PEL                                                                                                                                                                                         | NIOSH IDLH                                                                                                  |
|-----------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Potassium hydroxide<br>1310-58-3              | Ceiling: 2 mg/m <sup>3</sup>        | (vacated) Ceiling: 2 mg/m <sup>3</sup>                                                                                                                                                           | Ceiling: 2 mg/m <sup>3</sup>                                                                                |
| Dipropylene Glycol Methyl Ether<br>34590-94-8 | STEL: 150 ppm<br>TWA: 100 ppm<br>S* | TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 600 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 900 mg/m <sup>3</sup><br>(vacated) S* | IDLH: 600 ppm<br>TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 900 mg/m <sup>3</sup> |
| 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>                                        | 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. |
| Handle in accordance with good industrial hygiene and safety practice. |                                                                                                                                                                                                                                                                                                                         |

**General Hygiene Considerations****9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|                               |                                          |                         |                          |
|-------------------------------|------------------------------------------|-------------------------|--------------------------|
| <b>Physical state</b>         | liquid                                   | <b>Odor</b>             | Odorless                 |
| <b>Appearance</b>             | aqueous solution                         | <b>Odor threshold</b>   | No information available |
| <b>Color</b>                  | clear lime green liquid                  |                         |                          |
| <b>Property</b>               | <b>Values</b>                            | <b>Remarks • Method</b> |                          |
| pH                            | >13                                      |                         |                          |
| Melting point/freezing point  | No information available                 |                         |                          |
| Boiling point / boiling range | No information available                 |                         |                          |
| Flash point                   | No information available                 |                         |                          |
| Evaporation rate              | No information available                 |                         |                          |
| Flammability (solid, gas)     | No information available                 |                         |                          |
| Flammability Limit in Air     |                                          |                         |                          |
| Upper flammability limit:     | No information available                 |                         |                          |
| Lower flammability limit:     | No information available                 |                         |                          |
| Vapor pressure                | No information available                 |                         |                          |
| Vapor density                 | No information available                 |                         |                          |
| Specific Gravity              | 1.136-1.156                              |                         |                          |
| Water solubility              | Soluble in water                         |                         |                          |
| Solubility in other solvents  | No information available                 |                         |                          |
| Partition coefficient         | No information available                 |                         |                          |
| Autoignition temperature      | No information available                 |                         |                          |
| Decomposition temperature     | No information available                 |                         |                          |
| Kinematic viscosity           | No information available                 |                         |                          |
| Dynamic viscosity             | No information available                 |                         |                          |
| Explosive properties          | Not considered to be an explosion hazard |                         |                          |
| Oxidizing properties          | No information available                 |                         |                          |
| <b>Other Information</b>      |                                          |                         |                          |
| Softening point               | No information available                 |                         |                          |

|                         |                          |
|-------------------------|--------------------------|
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under normal conditions of use and storage.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Mixing with acid or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas.

### Incompatible materials

Flammable liquids, Acids, Halogenated compounds, Water, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

### Hazardous Decomposition Products

Toxic fumes of potassium oxide and sodium oxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| <b>Product Information</b> | No data available                                                      |
| <b>Inhalation</b>          | May cause irritation of respiratory tract.                             |
| <b>Eye contact</b>         | Corrosive to the eyes and may cause severe damage including blindness. |
| <b>Skin Contact</b>        | Contact causes severe skin irritation and possible burns.              |
| <b>Ingestion</b>           | Harmful if swallowed.                                                  |

| Chemical Name                                 | Oral LD50            | Dermal LD50             | Inhalation LC50 |
|-----------------------------------------------|----------------------|-------------------------|-----------------|
| Dipropylene Glycol Methyl Ether<br>34590-94-8 | = 5230 mg/kg ( Rat ) | = 9500 mg/kg ( Rabbit ) | -               |
| Potassium hydroxide<br>1310-58-3              | = 214 mg/kg ( Rat )  | -                       | -               |
| Sodium hydroxide<br>1310-73-2                 | -                    | = 1350 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

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Sensitization</b>            | No information available. |
| <b>Germ cell mutagenicity</b>   | No information available. |
| <b>Carcinogenicity</b>          | No information available. |
| <b>Reproductive toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |

### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 2.4% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects

2.4% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                                 | Algae/aquatic plants | Fish                                                | Crustacea                             |
|-----------------------------------------------|----------------------|-----------------------------------------------------|---------------------------------------|
| Dipropylene Glycol Methyl Ether<br>34590-94-8 | -                    | 10000: 96 h Pimephales promelas<br>mg/L LC50 static | 1919: 48 h Daphnia magna mg/L<br>LC50 |
| Potassium hydroxide<br>1310-58-3              | -                    | 80: 96 h Gambusia affinis mg/L<br>LC50 static       | -                                     |
| Sodium hydroxide<br>1310-73-2                 | -                    | 45.4: 96 h Oncorhynchus mykiss<br>mg/L LC50 static  | -                                     |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

| Chemical Name                                 | Partition coefficient |
|-----------------------------------------------|-----------------------|
| Dipropylene Glycol Methyl Ether<br>34590-94-8 | -0.064                |
| Potassium hydroxide<br>1310-58-3              | 0.65<br>0.83          |

### 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 |
|----------------------------------|-----------------------------------|
| Potassium hydroxide<br>1310-58-3 | Toxic<br>Corrosive                |
| Sodium hydroxide<br>1310-73-2    | Toxic<br>Corrosive                |

## 14. TRANSPORT INFORMATION

### DOT

**UN/ID No.** UN1760  
**Proper shipping name** Corrosive Liquids, N.O.S.  
**Hazardous ingredients** (Potassium hydroxide/Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

## 15. REGULATORY INFORMATION

### International Inventories

|               |                 |
|---------------|-----------------|
| TSCA          | Complies        |
| DSL/NDL       | Complies        |
| EINECS/ELINCS | Complies        |
| ENCS          | Does not comply |
| IECSC         | Complies        |
| KECL          | Complies        |
| PICCS         | Complies        |

AICS Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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**

Skin corrosion/irritation

Serious eye damage/eye irritation

Corrosive to metals

**CWA (Clean Water Act)**

This product does not contain any substances regulated as 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 |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium hydroxide<br>1310-58-3 | 1000 lb                     | -                      | -                         | X                          |
| Sodium hydroxide<br>1310-73-2    | 1000 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)                  |
|----------------------------------|--------------------------|----------------|-------------------------------------------|
| Potassium hydroxide<br>1310-58-3 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |
| Sodium hydroxide<br>1310-73-2    | 1000 lb                  | -              | RQ 100 lb final RQ<br>RQ 454 kg final RQ  |

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------------------|------------|---------------|--------------|
| Dipropylene Glycol Methyl Ether<br>34590-94-8 | X          | X             | X            |
| Potassium hydroxide<br>1310-58-3              | X          | X             | X            |
| Sodium hydroxide<br>1310-73-2                 | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 3 | Flammability 0 | Instability 1      | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 3 | Flammability 0 | Physical hazards 1 | Personal protection X              |

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|               |             |
|---------------|-------------|
| Prepared By   | lmt         |
| Issue Date    | 14-Mar-2022 |
| Revision Date | 14-Mar-2022 |

Revision Note

New product

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**