SECTION 1: Product and company identification

Product name: Polymer Cleaner
Use of the substance/mixture: Cleaner
Product code: 044503
Company: Share Corporation
P.O. Box 245013
Milwaukee, WI 53224 - USA
T (414) 355-4000
Emergency number: Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Met. Corr. 1 H290
Skin Corr. 1C H314
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US):

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Hazard statements (GHS-US)</th>
<th>Precautionary statements (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>May be corrosive to metals</td>
<td>Keep only in original container</td>
</tr>
<tr>
<td></td>
<td>Causes severe skin burns and eye damage</td>
<td>Do not breathe mist, spray</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wash thoroughly after handling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wear eye protection, protective clothing, protective gloves</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If swallowed: rinse mouth. Do NOT induce vomiting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If inhaled: Remove person to fresh air and keep comfortable for breathing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Immediately call a doctor, a POISON CENTER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specific treatment (see First aid measures on this label)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wash contaminated clothing before reuse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Absorb spillage to prevent material damage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Store locked up</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Store in corrosive resistant container with a resistant inner liner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dispose of contents/container to comply with local/regional/national/international regulations.</td>
</tr>
</tbody>
</table>

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>trisodium orthophosphate, dodecahydrate</td>
<td>(CAS No) 10101-89-0</td>
<td>1-5</td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>ammonia, anhydrous</td>
<td>(CAS No) 7664-41-7</td>
<td>0.5-2.5</td>
<td>Flam. Gas 2, H221 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314</td>
</tr>
</tbody>
</table>
Polymer Cleaner
Safety Data Sheet

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium hydroxide</td>
<td>(CAS No) 1310-58-3</td>
<td>0.5-1.5</td>
<td>Met. Corr. 1, H290, Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>disodium metasilicate</td>
<td>(CAS No) 6834-92-0</td>
<td>0.5-1.5</td>
<td>Skin Corr. 1B, H314 STOT SE 3, H335</td>
</tr>
<tr>
<td>nonylphenoxy(poly(ethyleneoxy)ethanol (9EO)</td>
<td>(CAS No) 9016-45-9</td>
<td>0.5-1.5</td>
<td>Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact: Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact: 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.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion: May be harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture
Reactivity: Thermal decomposition may produce oxides of carbon and nitrogen. Toxic fumes may be released.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.
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: Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions
Avoid release to the environment. Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up
For containment: Contain released substance, pump into suitable containers.
Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation.

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: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.

Date of issue: 9/14/2015
Revision date: 05/22/2015
Version: 1.0
P GHS SDS
Page 2 of 7
Hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Store locked up. Store in corrosive resistant container with a resistant inner liner.


Incompatible materials: Agent of cleaning.

Prohibitions on mixed storage: KEEP SUBSTANCE AWAY FROM: (strong) acids.

Storage area: Meet the legal requirements. Store in a dry area. Store in a cool area.

Special rules on packaging: meet the legal requirements. Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>potassium hydroxide (1310-58-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Personal protective equipment: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Clear to hazy liquid. Yellow liquid.

Odor: Pungent.

Odor threshold: No data available

pH: 12.5 - 13.5

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: > 200 °F

Relative evaporation rate (butyl acetate=1): No data available

Flammability (solid, gas): No data available

Explosion limits: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Vapor pressure: No data available

Relative density: No data available

Relative vapor density at 20 °C: No data available

Specific gravity / density: 1.03 g/ml

Solubility: Soluble in water.

Log Pow: No data available

Log Kow: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

VOC content: < 0.5 %

SECTION 10: Stability and reactivity
10.1. Reactivity
Thermal decomposition may produce oxides of carbon and nitrogen. Toxic fumes may be released.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
May be corrosive to metals.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity  : Not classified

ammonia, anhydrous (7664-41-7)
ATE CLP (gases)  700.000 ppmV/4h

potassium hydroxide (1310-58-3)
LD50 oral rat  273 mg/kg (Rat)
ATE CLP (oral)  273.000 mg/kg body weight

trisodium orthophosphate, dodecahydrate (10101-89-0)
LD50 oral rat  7400.000 mg/kg body weight

LD50 dermal rabbit  > 7940 mg/kg (Rabbit)

LC50 inhalation rat (mg/l)  > 0.83 mg/l/4h (Rat; Read-across)

ATE CLP (oral)  7400.000 mg/kg body weight

Skin corrosion/irritation  : Causes severe skin burns and eye damage.
 pH: 12.5 - 13.5

Serious eye damage/irritation  : Not classified
 pH: 12.5 - 13.5

Respiratory or skin sensitization  : Not classified

Germ cell mutagenicity  : Not classified

Carcinogenicity  : Not classified

Reproductive toxicity  : Not classified

Specific target organ toxicity (single exposure)  : Not classified

Specific target organ toxicity (repeated exposure)  : Not classified

Aspiration hazard  : Not classified

Symptoms/injuries after inhalation  : May cause respiratory irritation.

Symptoms/injuries after skin contact  : Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact  : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion  : May be harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.

SECTION 12: Ecological information

12.1. Toxicity

nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)
LC50 fish 1  5 mg/l (96 h; Gasterosteus aculeatus; Intermittent flow)
EC50 other aquatic organisms 1  500 mg/l (Selenastrum capricornutum; Chronic)
LC50 fish 2  7 mg/l (96 h; Leuciscus idus)
Threshold limit algae  500 mg/l (Selenastrum capricornutum; Cell numbers)

potassium hydroxide (1310-58-3)
LC50 fish 1  28.6 mg/l (24 h; Pisces; Pure substance)
### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Compound</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium hydroxide</td>
<td>Biodegradability: not applicable. No (test)data on mobility of the components available.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>trisodium orthophosphate, dodecahydrate (10101-89-0)</td>
<td>Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable (inorganic)</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Compound</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)</td>
<td>Not bioaccumulative</td>
</tr>
<tr>
<td>Log Pow</td>
<td>&gt; 4</td>
</tr>
<tr>
<td>potassium hydroxide</td>
<td>Not bioaccumulative</td>
</tr>
<tr>
<td>trisodium orthophosphate, dodecahydrate (10101-89-0)</td>
<td>Not bioaccumulative</td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

- Transport document description: NA1760 Compounds, cleaning liquid (Ammonium Hydroxide), 8, III
- UN-No.(DOT): NA1760
- Proper Shipping Name (DOT): Compounds, cleaning liquid
- Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136
- Hazard labels (DOT): 8 - Corrosive

- Packing group (DOT): III - Minor Danger
- DOT Packaging Non Bulk (49 CFR 173.xxx): 203
- DOT Packaging Bulk (49 CFR 173.xxx): 241
- DOT Symbols: D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
- DOT Special Provisions (49 CFR 172.102): IB3,N37,T7,TP1,TP28
- DOT Packaging Exceptions (49 CFR 173.xxx): 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
DOT Vessel Stowage Location : A
DOT Vessel Stowage Other : 40 - Stow “clear of living quarters”

Additional information
Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

ammonia, anhydrous (7664-41-7)
Listed on SARA Section 313 (Specific toxic chemical listings)
RQ (Reportable quantity, section 304 of EPA’s List of Lists) 1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ) 500 lb

potassium hydroxide (1310-58-3)
Not listed on SARA Section 313 (Specific toxic chemical listings)
RQ (Reportable quantity, section 304 of EPA’s List of Lists) 1000 lb

trisodium orthophosphate, dodecahydrate (10101-89-0)
Not listed on SARA Section 313 (Specific toxic chemical listings)
RQ (Reportable quantity, section 304 of EPA’s List of Lists) 5000 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information
Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Flam. Gas 2 | Flammable gases Category 2 |
| Met. Corr. 1 | Corrosive to metals Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Corr. 1C | Skin corrosion/irritation Category 1C |
STOT SE 3  | Specific target organ toxicity (single exposure) Category 3  
---|---  
H221  | Flammable gas  
H290  | May be corrosive to metals  
H301  | Toxic if swallowed  
H302  | Harmful if swallowed  
H314  | Causes severe skin burns and eye damage  
H318  | Causes serious eye damage  
H331  | Toxic if inhaled  
H335  | May cause respiratory irritation  

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.  
NFPA fire hazard : 0 - Materials that will not burn.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.  

Prepared by: Technical Department  

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.