Trident Freedom Descaler
Safety Data Sheet

SECTION 1: Product and company identification

Product name: Trident Freedom Descaler
Use of the substance/mixture: Cleaner
Product code: 140501
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

GHS-US classification
Met. Corr. 1 H290
Acute Tox. 4 (Oral) H302
Skin Irrit. 2 H315
Eye Dam. 1 H318
Skin Sens. 1 H317
STOT RE 2 H373

Full text of H statements: see section 16

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US) : GHS05 GHS07 GHS08
Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : May be corrosive to metals
Harmful if swallowed
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye damage
May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) : Keep only in original container
Do not breathe mist, spray
Avoid breathing mist, spray
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Contaminated work clothing must not be allowed out of the workplace
Wear eye protection, protective clothing, protective gloves
If swallowed: Call a doctor, a POISON CENTER if you feel unwell
If on skin: Wash with plenty of soap and water
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a doctor, a POISON CENTER
Get medical advice/attention if you feel unwell
Specific treatment (see First aid measures on this label)
Rinse mouth
If skin irritation occurs: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
Wash contaminated clothing before reuse
Absorb spillage to prevent material damage
Store in corrosive resistant container with a resistant inner liner
Dispose of contents/container to comply with local/regional/national/international regulations

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
# Trident Freedom Descaler
## Safety Data Sheet

**Date of issue:** 7/8/2016  
**Revision date:** 07/08/2016  
**Version:** 1.1

### Full text of H-phrases: see section 16

### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
Acute Tox. 4 (Oral), H302  
Eye Dam. 1, H318 |
| hydroxyphosphonoacetic acid | (CAS No) 23783-26-8 | 1-5 | Acute Tox. 4 (Oral), H302  
Skin Corr. 1B, H314  
Skin Sens. 1, H317  
STOT RE 2, H373 |

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### 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. If experiencing respiratory symptoms: Call a poison center or a doctor.

**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**

Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

**Symptoms/injuries after inhalation**

May cause respiratory irritation.

**Symptoms/injuries after skin contact**

Causes skin irritation. May cause an allergic skin reaction.

**Symptoms/injuries after eye contact**

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

**Symptoms/injuries after ingestion**

Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.

### 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, nitrogen and chlorine.

#### 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**

- **Protective equipment**
  
  Gloves. Protective goggles. Protective clothing.

- **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

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P GHS SDS  
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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. Do not breathe mist, spray.

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.
Prohibitions on mixed storage: KEEP SUBSTANCE AWAY FROM: alkaline substances.
Storage area: Keep only in the original container. Store in a dry area. Store in a cool area.
Special rules on packaging: meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

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, red colored liquid.
Odor: Pleasant scent
Odor threshold: No data available
pH: No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
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: 1.2 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 %
**SECTION 10: Stability and reactivity**

10.1. **Reactivity**  
Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.

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**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Harmful if swallowed. Hydroxyphosphonoacetic acid (23783-26-8) ATE CLP (oral) 500.000 mg/kg body weight</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Potential Adverse health effects and symptoms</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Symptoms/injuries after inhalation</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>Symptoms/injuries after skin contact</td>
<td>Causes skin irritation. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Symptoms/injuries after eye contact</td>
<td>Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.</td>
</tr>
<tr>
<td>Symptoms/injuries after ingestion</td>
<td>Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.</td>
</tr>
<tr>
<td>Likely routes of exposure</td>
<td>Skin and eyes contact</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

12.1. **Toxicity**  
No additional information available

12.2. **Persistence and degradability**  
No additional information available

12.3. **Bioaccumulative potential**  
No additional information available

**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)

| Other information | When transported by ground, this product utilizes the exemption found under 49 CFR 173.154. |

**ADR**  
No additional information available

**Transport by sea**  
No additional information available

**Air transport**  
No additional information available
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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.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product does not contain substances 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:

| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes skin irritation |
| H373 | May cause damage to organs through prolonged or repeated exposure |

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.