# Material Safety Data Sheet

**Product Name:** DIVERSEY REFRAKE  
**Product Code:** 08689640  
**Manufacturer:** JOHNSON DIVERSEY INC.  
**Chemical Family:** ALKALINE HARD SURFACE CLEANER  

## I. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>DIVERSEY REFRAKE</td>
</tr>
<tr>
<td>Product Code</td>
<td>08689640</td>
</tr>
<tr>
<td>UPC-A SCC</td>
<td>774205551178 SCC</td>
</tr>
<tr>
<td>Emergency</td>
<td>(800)831-9889</td>
</tr>
<tr>
<td>Medical(Collect)</td>
<td>(303)592-1024</td>
</tr>
<tr>
<td>Date</td>
<td>03/10/1999</td>
</tr>
<tr>
<td>Chemtree</td>
<td>(800)424-9300</td>
</tr>
<tr>
<td>Date</td>
<td>02/06/2004</td>
</tr>
</tbody>
</table>

## II. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>% Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM METASILICATE (6834-92-0)</td>
<td>10 NOT ESTABLISHED</td>
</tr>
</tbody>
</table>

## III. Hazards Identification

**Signs and Symptoms of Exposure:**

- **Acute:** CAUSES SKIN AND EYE IRRITATION; MAY CAUSE EYE DAMAGE. DUSTS ARE RESPIRATORY IRRITANTS.  
- **Chronic:** SAME AS ACUTE

**HMIS:**  
- **Health:** 2  
- **Flammability:** 0  
- **Reactivity:** 0  

**Personal Protection:** B  

**Conditions Aggravated:** NONE KNOWN

**Carcinogen Info:** NONE  
- NTP  
- IARC  
- OSHA

**Target Organs or System:**  

**Routes of Exposure:**  
- Inhalation  
- Skin  
- Ingestion  

## IV. First Aid Measures

**Inhalation:** REMOVE TO FRESH AIR.  

**Eyes:** FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.  

**Skin:** FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.  

**Ingestion:** GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  

## V. Fire Fighting Measures

**Fire Control Measures/Equipment:** NONE  

**Flammable Property Info:**  

**Explosion Info:** NONE

**Extinguishing Media:** CO2, FOAM

**Gases:**
**VI** Accidental Measures

- Spill and Leak
- Clean Up Procedures

**Environmental Precautions:**

**VII** Handling and Storage

- Ventilation Required? **NONE**
- Instructions **PRODUCE NORMAL AIR DILUTION**

**Safe Storage, Handling and Use Instructions:**

- **STORE IN DRY PLACE. KEEP CONTAINER COVERED.**
- **KEEP AWAY FROM ACIDS**

**Incompatible Materials:**

**VIII** Exposure Controls/Personal Protection

- **Protective Gloves** **ALKALI RESISTANT**
- Eye Protection **FACE SHIELD**
- Respiratory Protection **USUALLY NOT REQUIRED.**
- Other Protective Clothing Equipment **NONE**

**IX** Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristics of Hazardous Chemical</th>
<th>Vapor Pressure N/A</th>
<th>MmHg@ °C</th>
<th>Vapor Density(Air=1) N/A</th>
<th>pH</th>
<th>Water Solubility 23 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance &amp; Odor BLUE POWDER; FLORAL ODOR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point N/A °F</td>
<td>Melting Point °F</td>
<td>Flammability Limits in Air By Volume: Upper</td>
<td>Lower</td>
<td>Oxidizing Properties</td>
<td>Volatile by Volume %</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A °F</td>
<td>Auto Ignition</td>
<td>N/A °F</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate(n-Butyl Acetate=1)</td>
<td>&lt;1</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**X** Stability and Reactivity

- Peroxide, Pyrophoric, Unstable or Water Reactive **NONE**
- Reactivity and Hazardous Polymerization **NONE**
- Possible Hazardous Reactions
- Conditions to Avoid
- Materials **CONCENTRATED MINERAL ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGENS**
- Hazardous Decomposition Products **CO, SO2, WITH INCOMPLETE COMBUSTION**

**XI** Toxicological Information

**XII** Ecological Information

- Possible Effects and Environmental Fate
- Degradability
- Aquatic Toxicity

**XIII** Disposal Consideration

| Method of Disposal, Residues and Safe Handling | CO, SO2, WITH INCOMPLETE COMBUSTION |
| PH ADJUSTMENT; CONTAINS PHOSPHATES. USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. |

**XIV** Transport Information

**Disposal of Contaminated Material**

**COMPOUND CLEANING, OTHER THAN LIQUID, N.O.I.**

**XV** Regulatory Information

**S.A.R.A. Title III Section 313**

**NONE**

**XVI** Other Information

**SODIUM CARBONATE - CAS #497-19-8**

**SODIUM METASILICATE - CAS #6834-92-0**

**SODIUM CHLORIDE - CAS #7647-14-5**

**SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4**

**ETHOXYLATED ALCOHOL - CAS #68002-97-1**

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