# MATERIAL SAFETY DATA SHEET

**Product Name:** SUPER IMPEDE  
**Product Code:** 08497040  
**UPC-A:** 774205551468  
**Manufacturer:** JOHNSONDIVERSEY INC.  
**Address:** 3630 E. KEMPER RD, CINCINNATI, OH 45241-2046  
**Date:** 10/26/1995  
**Emergency: (800)831-9889**  
**Medical(Collect): (303)592-1024**  
**Chemtree: (800)424-9300**  
**Printed:** 02/06/2004

## I Chemical Product and Company Identification

### II Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name of Hazardous Ingredient</th>
<th>% Exposure Limits</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYPOCHLORITE (7681-52-9)</td>
<td>10</td>
<td>NOT ESTABLISHED</td>
</tr>
<tr>
<td>SODIUM HYDROXIDE (1310-73-2)</td>
<td>&lt;1</td>
<td>TLV 2; PEL 2</td>
</tr>
</tbody>
</table>

## III Hazards Identification

### Signs and Symptoms of Exposure

- **ACUTE:**  
- **CHRONIC:**
  - **Corrosive to skin and eyes.**  
  - **Mists are severe respiratory irritants.**  
  - **Harmful if swallowed, causes burns to mouth and gastric irritation.**
  - **Same as acute**

### HMIS:

- **Health:** 3  
- **Flammability:** 0  
- **Reactivity:** 0  
- **Personal Protection:** E

### Conditions Aggravated

- **Dermatitis or Sensitive skin; may aggravate respiratory disease or conditions.**

### Carcinogen Info

- **NONE**
  - **NTP**
  - **IARC**
  - **OSHA**

### Target Organs or System

- **Inhalation**
- **Skin**
- **Ingestion**

### Routes of Exposure:

- **Inhalation:** 3  
- **Skin:** 3  
- **Ingestion:** 3

## IV First Aid Measures

### Inhalation

- **REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.**

### Eyes

- **FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.**

### Skin

- **FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.**

### 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

- **KEEP COOL. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.**

### Flammable Property Info

### Explosion Info

- **HIGH TEMPERATURE WILL RELEASE Cl2.**

### Extinguishing Media

- **CO2, DRY CHEMICALS, WATER**
### VI. Accidental Measures

#### Spill and Leak Clean Up Procedures

- **Environmental Precautions:**
  - FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH SODIUM BISULFATE OR THIOSULFATE. COLLECT AND RETURN LARGE AMOUNTS TO AN APPROPRIATE CONTAINER. TREAT AS SOLID HAZARDOUS WASTE. LEAKS SHOULD BE STOPPED AND SPILLS CONTAINED. NEUTRALIZE RESIDUE WITH SODIUM THIOSULFATE FOR CHLORINE AND DILUTE MINERAL ACIDS FOR ALKALINITY.

### VII. Handling and Storage

#### Safe Storage, Handling and Use Instructions

- **Ventilation Required?** NO
- **Instructions:** PRODUCING NORMAL AIR DILUTION

- **KEEP CONTAINER CLOSED. KEEP FROM FREEZING. KEEP AWAY FROM ACIDS. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE CONTAINER TO EMPTY. STORE IN A COOL AREA AWAY FROM HEAT SOURCES. KEEP AWAY FROM ACIDS.

- **Incompatible Materials**

### VIII. Exposure Controls/Personal Protection

- **Protective Gloves:** ALKALI RESISTANT, RUBBER, OR PVC
- **Eye Protection:** FACE SHIELD, SIDE SHIELD SAFETY GLASSES.
- **Respiratory Protection:** NIOSH ALKALINE CARTRIDGE WITH CHARCOAL FILTER IF EXPOSURE LIMITS EXCEEDED.
- **Other Protective Clothing Equipment:** CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR; SAFETY SHOWER/EYE WASH IN USE AREA.

### IX. Physical and Chemical Properties

#### Characteristics of Hazardous Chemical

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance &amp; Odor</td>
<td>CLEAR LIGHT YELLOW LIQUID; CHLORINE ODOR</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td></td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>11.5</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>100 %</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>212 °F</td>
</tr>
<tr>
<td>Melting Point</td>
<td>0 °F</td>
</tr>
<tr>
<td>Flammability Limits in Air (By Volume)</td>
<td>Upper None, Lower None</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None °F</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>N/A °F</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.200</td>
</tr>
<tr>
<td>Evaporation Rate (n-Butyl Acetate = 1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Volatile by Volume</td>
<td>85 %</td>
</tr>
</tbody>
</table>

#### Stability and Reactivity

- **Peroxide, Pyrophoric, Unstable or Water Reactive:** NONE
- **Reactivity and Hazardous Polymerization:** NONE
- **Possible Hazardous Reactions**
- **Conditions to Avoid**
  - CONCENTRATED MINERAL ACIDS, HEAT, SOFT METALS OR NITROGEN
- **To Avoid**
  - CONTAINING CHEMICALS LIKE AMMONIA RELEASE CHLORINE.
- **Hazardous Decomposition Products**
  - HIGH TEMPERATURE WILL RELEASE CL2 GAS WHICH IS IRRITATING OR TOXIC.

### XI. Toxicological Information

#### Possible Effects and Environmental Fate

- **Degradability**
- **Aquatic Toxicity**

#### Method of Disposal, Residues and Safe Handling

- **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, PH ADJUSTMENT; NO PHOSPHATES, DISPOSE OF IN ACCORDANCE WITH FEDERAL, LOCAL AND STATE REGULATION DO NOT DISCHARGE TO LAKES OR STREAMS AS SOLUTIONS MAY BE TOXIC TO AQUATIC LIFE, CERCLA PRODUCT RQ = SODIUM HYPOCHLORITE 66 GALLONS.

#### Disposal of Contaminated Material

- **HIGH TEMPERATURE WILL RELEASE CL2 GAS WHICH IS IRRITATING OR TOXIC.**

### XII. Ecological Information

#### Degradability

- **Aquatic Toxicity**

### XIII. Disposal Consideration

#### Method of Disposal, Residues and Safe Handling

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### XIV. Transport Information

#### HYPOCHLORITE SOLUTIONS, (WITH MORE THAN 5 PERCENT BUT LESS THAN 16 PERCENT AVAILABLE CHLORINE), S, UN1791, PG III, (ERG NO. 60, NAERG#154

### XV. Regulatory Information

- **S.A.R.A. Title III Section 313**
- **State Right to Know Information**

### XVI. Other Information

- **ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.**

#### SODIUM HYDROXIDE - CAS #1310-73-2
- **SODIUM HYPOCHLORITE - CAS #7681-52-9**
- **WATER - CAS #7732-18-5**