# MATERIAL SAFETY DATA SHEET

**Product Name:** DIVERCID 6F

**Product Code:** 00223040  UPC-A 774205550850  SCC

**Manufacturer:** JOHNSON DIVERSEY INC.
3630 E. KEMPER RD
CINCINNATI, OH 45241-2046

**Date:** 04/30/2003

**Emergency:** (800)831-9889
**Medical(Collect):** (303)592-1024
**Chemtree:** (800)424-9300

## Chemical Family
LAUNDRY SOUR

## 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>AMMONIUM HYDROGEN FLUORIDE (1341-49-7)</td>
<td>15 PEL; TLV 2.5 PPM</td>
<td>PPM</td>
</tr>
</tbody>
</table>

## Hazards Identification

### Signs and Symptoms of Exposure

- **Acute:** STRONGLY IRRITATING OR CORROSIVE TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED. BURNS MAY NOT BE IMMEDIATELY APPARENT. FLUORIDE POISONING CAN RESULT FROM LARGE DOES; WHICH MAY AFFECT CENTRAL NERVOUS SYSTEM AND KIDNEYS.

- **Chronic:** DECALCIFICATION OF BONES AND/OR MOTTLING OF TEETH AFTER PROLONGED EXPOSURE.

### HMIS:
- Health: 3
- Flammability: 0
- Reactivity: 0
- Personal Protection: D

### Conditions Aggravated
- SENSITIVE EYES, SKIN, IMPAIRED PULMONARY FUNCTION.

### Carcinogen Info

- NTP: NONE
- IARC: NONE
- OSHA: NONE

### Target Organs or System

### Routes of Exposure:

- **Inhalation:** REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
- **Skin:** FLUSH AROUND & UNDER FINGERNAILS & EXPOSED SKIN WITH SOAP & WATER.
- **Ingestion:** GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

### First Aid Measures

### Fire Fighting Measures

- **Fire Control Measures/Equipment:** ACIDIC SOLUTION - ATTACKS REACTIVE METALS. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.
- **Flammable Property Info:** HEAT OR FIRE MAY RELEASE VAPORS OF HYDROFLUORIC ACID.
- **Extinguishing Media:** WATER, FOAM, CO2, DRY CHEMICALS
### Spill and Leak Clean Up Procedures

**Environmental Precautions**

**VI** Accidental Measures

**Fluoride SPILL AND LEAK CLEAN UP PROCEDURES**

- **FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH DILUTE ALKALI. IMPOUND LARGE AMOUNTS AS HAZARDOUS WASTE.**
- **CERCLA RQ = 666 LBS. OR 77 GAL.**

### Ventilation Required? WORK SITE

**Instructions** YES

**VII** Handling and Storage

**Safe Storage, Handling and Use Instructions**

- **KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP AWAY FROM CHLORINATED CLEANERS AND BLEACHES. SOLUTIONS OF PRODUCT WILL ETCH GLASS. DO NOT STORE OR CONTAMINATE FOOD.**

### Incompatible Materials

### Protective Gloves

**NEOPRENE, ACID RESISTANT**

### Eye Protection

**SAFETY GLASSES, FACE SHIELD**

### Respiratory Protection

**NONE USUALLY REQUIRED**

### Other Protective Clothing Equipment

**CHEMICALLY IMPERVIOUS CLOTHING; SAFETY SHOWER/EYE WASH**

### Characteristics of Hazardous Chemical

**IX** Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance &amp; Odor</td>
<td>CLEAR COLORLESS LIQUID</td>
</tr>
<tr>
<td>Vapor Pressure (MmHg)</td>
<td>17.5</td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>20</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>4.5</td>
</tr>
<tr>
<td>Water Solubility (%)</td>
<td>100</td>
</tr>
<tr>
<td>Boiling Point (°F)</td>
<td>214</td>
</tr>
<tr>
<td>Melting Point (°F)</td>
<td></td>
</tr>
<tr>
<td>Flammable Limits in Air (Upper: Lower)</td>
<td>None: None</td>
</tr>
<tr>
<td>Flash Point (°F)</td>
<td></td>
</tr>
<tr>
<td>Auto Ignition (°F)</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (n-Butyl Acetate=1)</td>
<td>1.045</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

**X**

- Peroxide, Pyrophoric, Unstable or Water Reactive: **NONE**
- Reactivity and Hazardous Polymerization: **NONE**
- Possible Hazardous Reactions
- Conditions to Avoid
- Materials To Avoid: **STRONG ALKALIS; MILD METALS, CHLORINATED PRODUCTS.**
- Hazardous Decomposition Products: **ABOVE 200 DEGREES F MAY RELEASE TOXIC VAPORS OF HYDROFLUORIC ACID.**

### Toxicological Information

**XI**

**Possible Effects and Environmental Fate**

**Degradability**

**Aquatic Toxicity**

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

**USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL CONSULT LOCAL OR STATE REGULATIONS REGARDING HAZARDOUS WASTE DISPOSAL.**

**Disposal of Contaminated Material**

**ABOVE 200 DEGREES F MAY RELEASE TOXIC VAPORS OF HYDROFLUORIC ACID.**

**AMMONIUM HYDROGEN TRIFLUORIDE, SOLUTION, 8, (6.1), UN2817, PG II, ERG#60, NAERG #154**

**AMMONIUM HYDROGEN FLUORIDE - CAS #1341-49-7 WATER - CAS #7732-18-5**

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