# MATERIAL SAFETY DATA SHEET

**Product Name:** DIVOBLEND 3A  
**Product Code:** 00224040  
**UPC-A:** 774205550799  
**Manufacturer:** JOHNSONDIVERSEY INC.  
3630 E. KEMPER RD  
CINCINNATI, OH 45241-2046  
**Date:** 12/16/1999  
**Printed:** 02/06/2004

## Chemical Identification

**Chemical Family:** LIQUID LAUNDRY DETERGENT

## 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 HYDROXIDE (1310-73-2)</td>
<td>20</td>
<td>TLV C 2; PEL C 2</td>
</tr>
<tr>
<td>TRISODIUM NITRILOTRIACETATE (5064-31-3)</td>
<td>6</td>
<td>NOT ESTABLISHED</td>
</tr>
</tbody>
</table>

## Hazards Identification

### Signs and Symptoms of Exposure

- **Acute:** CORROSIVE TO SKIN AND EYES, MAY CAUSE DESTRUCTION OF TISSUES ON CONTACT. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED.
- **Chronic:** CONTAINS NTA SALTS THAT ARE REPORTED IN HIGH DOSES IN ANIMAL TESTS TO CAUSE CANCER. NTA HAS NOT BEEN REPORTED TO CAUSE CANCER IN HUMANS.

### HMIS:

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

### Conditions Aggravated

SENSITIVE EYES, SKIN, IMPAIRED PULMONARY FUNCTION

### Carcinogen Info

- TRISODIUM NITRILOTRIACETATE
- NTP X
- IARC OSHA X

### Target Organs or System

- Inhalation: □
- Skin: □
- Ingestion: □

### Routes of Exposure:

- Inhalation
- Eyes
- Skin
- Ingestion

## First Aid Measures

### Inhalation

IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING IS DIFFICULT.

### 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. WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR ANY INJURED SKIN AREAS.

### Ingestion

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

## Fire Fighting Measures

### Fire Control Measures/Equipment

WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.

### Flammable Property Info

NONE

### Explosion Info

- NONE - CORROSIVE LIQUID. CONTACT WITH ALUMINUM CAUSES SEVERE CORROSION AND RELEASES HYDROGEN GAS.

### Extinguishing Media

- CO2, FOAM, DRY CHEMICALS
## Spill and Leak Cleanup Procedures

**Environmental Precautions**

STOP LEAK AND CONTAIN SPILLED MATERIAL. FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH DILUTE MINERAL ACIDS. COLLECT AND RETURN LARGE AMOUNTS TO AN APPROPRIATE COVERED CONTAINER. TREAT AS SOLID HAZARDOUS WASTE.

CERCLA RQ = 5,000 LBS OR 507 GAL

### Accidental Measures

**Ventilation Required?** NO  
**Instructions** NORMAL AIR DILUTION

### Handling and Storage

**safe Storage, Handling and Use Instructions**

DO NOT PRESSURE CONTAINER TO EMPTY. KEEP AWAY FROM ACIDS. KEEP CONTAINER CLOSED. DILUTE PRODUCT VERY SLOWLY. USE ONLY IN STAINLESS STEEL MACHINES. CORROSIVE TO OTHER SOFT METALS.

**Incompatible Materials**

### Exposure Controls/Personal Protection

**Protective Gloves**

ALKALI RESISTANT, RUBBER, OR PVC

**Eye Protection**

FACE SHIELD, SAFETY GLASSES WITH SIDE SHIELD, SPLASH GOGGLES

**Respiratory Protection**

NIOSH ALKALINE RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.

**Other Protective Clothing Equipment**

CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR; SAFETY SHOWER/EYE WASH IN USE AREA.

### Physical and Chemical Properties

**Characteristics of Hazardous Chemical**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (MnHg) °C</td>
<td>20</td>
</tr>
<tr>
<td>Vapor Density (Air=1) &gt;1</td>
<td>1</td>
</tr>
<tr>
<td>Water Solubility %</td>
<td>100</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>WHITE TO TAN OPAQUE LIQUID; MILD ODOR</td>
</tr>
<tr>
<td>Boiling Point °F</td>
<td>248</td>
</tr>
<tr>
<td>Melting Point °F</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability Limits in Air By Volume:</td>
<td>Upper: NONE</td>
</tr>
<tr>
<td></td>
<td>Lower: NONE</td>
</tr>
<tr>
<td>Flash Point °F</td>
<td>NONE</td>
</tr>
<tr>
<td>Auto Ignition N/A</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties °F</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.185</td>
</tr>
<tr>
<td>Volatile by Volume %</td>
<td>54</td>
</tr>
<tr>
<td>Evaporation Rate (n-Butyl Acetate=1)</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

### Stability and Reactivity

**Peroxide, Pyrophoric, Unstable or Water Reactive** MODERATE

**Reactivity and Hazardous Polymerization** NONE

**Possible Hazardous Reactions***

**Conditions to Avoid** FLAMMABLE LIQUIDS, ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, STRONG ACIDS CAUSE VIOLENT REACTIONS AND HYDROGEN GAS.

**Hazardous Decomposition Products**

CO2 WITH INCOMPLETE COMBUSTION. H2 GAS IF PRODUCT CONTACTS ALUMINUM.

### Disposal Consideration

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

CONTAINS NO PHOSPHATES; PH ADJUSTMENT BEFORE DISPOSAL. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER. EMPTY CONTAINER TRIPLE RINSE WITH WATER. DISPOSE IN A MANNER CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS. SOLUTIONS MAY BE TOXIC TO AQUATIC LIFE. DO NOT DISCHARGE TO LAKES, STREAMS, PONDS.

**Disposal of Contaminated Material**

CO2 WITH INCOMPLETE COMBUSTION. H2 GAS IF PRODUCT CONTACTS ALUMINUM.

### Transport Information

**CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(SODIUM HYDROXIDE),8,UN3266,PG II, ERG#60, NAERG#154**

### Regulatory Information

**S.A.R.A.**

NONE

**Title III, Section 313**

ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

**State Right to Know Information**

SODIUM HYDROXIDE - CAS #1310-73-2
TRISODIUM NITRILOTRIACETATE - CAS #5064-31-3
WATER - CAS #7732-18-5
ETHOXYLATED ALCOHOL SURFACTANT - CAS #68002-97-1
LINEAR ALCOHOL (MICROD SURFACTANT) - CAS #159653-48-2