I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: EDGE

USE: One Shot Liquid Industrial Laundry Detergent

SUPPLIER: JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE: 1-800-668-7171

WHMIS CLASSIFICATION: D2B E
CHEMICAL FAMILY: alkali/ surfactant

II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>% w/w</th>
<th>CAS #</th>
<th>LD50 / LC50</th>
<th>Route / Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear alcohol ethoxylate</td>
<td>15-40</td>
<td>068002-97-1</td>
<td>LD50 1400 mg/kg</td>
<td>oral/rat</td>
</tr>
<tr>
<td>Sodium nitrilotriacetate</td>
<td>10-30</td>
<td>005064-31-3</td>
<td>LD50 1100 mg/kg</td>
<td>oral/rat</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1-5</td>
<td>001310-73-2</td>
<td>LDLo 500 mg/kg</td>
<td>oral/rab</td>
</tr>
</tbody>
</table>

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:
- Gloves: natural rubber, neoprene or nitrile
- Eye: safety glasses
- Footwear: as required
- Respiratory: If mists are generated, use NIOSH approved mask.
- Other: not normally required

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): acids, strong oxidizers

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid freezing. UN3266

IV - PHYSICAL PROPERTIES

S.G. / BULK DENSITY(g/cc): 1.08

pH: (10% solution): 11.9

VAPOUR PRESSURE (mmHg): not available

ODOUR THRESHOLD: not applicable

FREEZING POINT: not available

SOLUBILITY IN WATER: soluble

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
- EYES: Corrosive. May cause permanent damage if not treated promptly.
- SKIN: Corrosive. May cause severe irritation.
- INGESTION: May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.
- INHALATION: Inhalation of spray or mist may cause respiratory irritation.
<table>
<thead>
<tr>
<th><strong>LD50 (calculated):</strong></th>
<th>3043 mg/kg</th>
<th><strong>LC50 (calculated):</strong></th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTHER TOXIC EFFECTS:</strong></td>
<td>TLV-TWA (ethylene oxide) 1.8 mg/kg; TLV-CL (sodium hydroxide) 2 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</strong></td>
<td>This product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of these toxic effects. By ACGIH guidelines, NTA would not be considered an occupational (human) carcinogen of any practical significance.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### VI - FIRST AID MEASURES

**EYES:**
Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.

**SKIN:**
Flush affected area thoroughly with water. If irritation develops, contact a physician.

**INGESTION:**
Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.

**INHALATION:**
Remove patient to fresh air. Get medical attention for any breathing difficulty.

### VII - FIRE AND EXPLOSION DATA

**FLAMMABLE:** No

**FLASH POINT, °C:** not applicable  
**AUTO IGNITION TEMPERATURE,°C:** N/Ap

**EXTINGUISHING MEDIA:** Water [x]  
Dry Chemical [x]  
Carbon Dioxide [x]  
Foam [x]  
Other [  ]

**SPECIAL FIRE FIGHTING PROCEDURES:** No special procedures.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, nitrogen.

**EXPLOSIVE SENSITIVITY TO:** not applicable

### VIII - REACTIVITY DATA

**STABILITY:** Stable [x]  
Unstable [  ]

**CONDITIONS TO AVOID:** high temperature

**INCOMPATIBILITY (Material to Avoid):** acids, strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Heat released on contact with acids and strong oxidizers.

**REACTIVITY:** not dangerously reactive

### IX - MSDS PREPARATION

**SOURCES USED:** RTECS, ChemInfo, MSDS

**PREPARED BY:** JohnsonDiversey Canada, Inc.  
Regulatory Department  
Institutional Division  
Phone (905) 829-1200

**PREPARATION DATE:** March 10, 2006

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