I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: SUNLIGHT OVEN AND GRILL CLEANER
USE: Oven and Grill Cleaner
SUPPLIER: DiverseyLever Canada
division of U L Canada Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada
WHMIS CLASSIFICATION: E
CHEMICAL FAMILY: Caustic Alkali

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>Sodium hydroxide</td>
<td>7-13</td>
<td>001310-73-2</td>
<td>LDLo 500 mg/kg</td>
<td>oral/rab</td>
</tr>
<tr>
<td>Phosphate ester of polyoxyalkylated fatty acid alcohol</td>
<td>1-5</td>
<td>068649-29-6</td>
<td>LD50 5200 mg/kg</td>
<td>oral/rat</td>
</tr>
</tbody>
</table>

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:
Gloves: Natural Rubber, Neoprene or Nitrile
Eye: safety goggles
Respiratory: If mists are generated, use NIOSH approved mask.
Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT:
Avoid eye and skin contact.

VENTILATION REQUIREMENTS:
General ventilation

INCOMPATIBILITY (Material to Avoid):
Acids, soft metals

SPILL PROCEDURES:
Wear protective clothing. Contain the spill. Do not allow the spilled product to go to drain. Neutralize with dilute acid. Mop up or soak up with absorbent clay for disposal.

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.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR:
Straw coloured, clear liquid-odourless

S.G. / BULK DENSITY (g/cc): 1.16
PH: 13.6
VAPOUR PRESSURE (mmHg): not available
VAPOUR DENSITY (air=1): not available
ODOUR THRESHOLD: not available
BOILING POINT: not available
FREEZING POINT: not available
PERCENT VOLATILE: 81%
SOLUBILITY IN WATER: soluble
EVAPORATION RATE (water=1): 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.
SKIN: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.
INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause permanent damage if not treated promptly.
INHALATION: Breathing vapours or spray may cause respiratory irritation.

LD50 (calculated): 3,935 mg/kg
LC50 (calculated): not applicable
**OTHER TOXIC EFFECTS:** TLV (Sodium hydroxide) CL 2 mg/m3  
**EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:** none known  

### 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]  
**Carbon Dioxide [x]  
**Foam [x]  
**Other [ ]**  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear protective clothing.  
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon.  
**EXPLOSIVE SENSITIVITY TO:** not applicable  

### VIII - REACTIVITY DATA

**STABILITY:** Stable [x]  
**Unstable [ ]**  
**CONDITIONS TO AVOID:** not applicable  
**INCOMPATIBILITY (Material to Avoid):** acids, soft metals  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Heat on contact with acids.  
**REACTIVITY:** Not dangerously reactive.  

### IX - MSDS PREPARATION

**SOURCES USED:** RTECS  
**PREPARATION DATE:** October 18, 2000  
**PREPARED BY:** DiverseyLever Canada  
Research and Development Department  
Institutional Division  
Phone (905) 829-1200  

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