MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:**  LAUNDRY DETERGENT

**PRODUCT CODE:**  PRO•580C  PRO•582C

1. **PRODUCT INFORMATION**

SUPPLIER:  As above

PRODUCT USE:  Laundry Detergent

CHEMICAL IDENTITY:  Mixture

CAS No. and NAME:  Not applicable

FORMULA and M.Wt.:  Not applicable

EMERGENCY PHONE NO.:  613-996-6666  CANUTEC (COLLECT)

2. **HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL IDENTITY</th>
<th>CAS#</th>
<th>CONC.(W/W)</th>
<th>TOXICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Dodecyle Benzene Sulhonate</td>
<td>215155-30-0</td>
<td>10 – 30%</td>
<td>LD₅₀ Oral rat = 1260 mg/kg</td>
</tr>
<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>1 – 5%</td>
<td>LD₅₀ Oral rat = 1280 mg/kg</td>
</tr>
</tbody>
</table>

3. **PHYSICAL DATA**

PHYSICAL STATE:  Powder

APPEARANCE AND ODOR:  White powder, lemon scent, packaged in water soluble pouches

ODOR THRESHOLD:  Not available

BOILING POINT:  Not applicable

SPECIFIC GRAVITY:  Not applicable

FREEZING POINT:  Not applicable

VAPOUR PRESSURE:  Not applicable

VAPOUR DENSITY:  Not applicable

PH:  1% Solution:  9.0

DENSITY (g/ml):  0.79

EVAPORATION RATE:  Not applicable

WATER SOLUBILITY:  Complete

4. **FIRE OR EXPLOSION HAZARDS**

CONDITIONS OF FLAMMABILITY:  Not applicable

MEANS OF EXTINCTION:  For surrounding fire

FLASHPOINT AND METHOD OF DETERMINATION:  Non Flammable

UPPER FLAMMABLE LIMIT:  Not applicable

LOWER FLAMMABLE LIMIT:  Not applicable

AUTO-IGNITION TEMPERATURE:  Not applicable

HAZARDOUS COMBUSTION PRODUCTS:  Oxides of carbon, sulfur dioxide, oxides of nitrogen

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT:  No Data

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:  No Data

5. **REACTIVITY DATA**

CHEMICAL STABILITY:  Stable

INCOMPATIBLE SUBSTANCES:  Prolonged contact with aluminum, copper, tin, lead or zinc may liberate flammable hydrogen gas.

CONDITIONS OF REACTIVITY:  No Data

HAZARDOUS DECOMPOSITION PRODUCTS:  Oxides of carbon, sulphur dioxide, oxides of nitrogen
6. TOXICOLOGICAL PROPERTIES:

EFFECTS OF ACUTE EXPOSURE: Product is sold in water soluble pouches. Direct contact with powder is unlikely under normal use conditions. However, under unusual or upset conditions:

   EYE CONTACT: Irritant, prolonged contact may cause permanent eye injury.
   SKIN CONTACT: May cause drying of skin, irritation.
   INHALATION: Product is not dusty, inhalation not likely.
   INGESTION: May cause nausea, vomiting, diarrhea and abdominal pain.

EFFECTS OF CHRONIC EXPOSURE: No data but expected similar to acute.

EXPOSURE LIMITS: Not established

IRRITANCY OF PRODUCT: Eye and skin irritant.

SENSITIZATION TO MATERIAL: No data.

CARCINOGENICITY: No information is available and no adverse effects are expected.

REPRODUCTIVE TOXICITY: No information is available and no adverse effects are expected.

TERATOGENICITY: No information is available and no adverse effects are expected.

MUTAGENICITY: No information is available and no adverse effects are expected.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: No data.

7. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Powder is packaged in water soluble pouches. Direct contact with powder unlikely under normal use conditions. Under upset or unusual conditions, wear chemical resistant gloves and safety glasses with side shields or goggles. Avoid skin contact by use of other clothing.

If exposure exceeds dust exposure limits, use NIOSH/MSHA approved dust respirator.

ENGINEERING CONTROLS: Local exhaust can be used to supplement general ventilation if dusting likely to occur.

HANDLING PROCEDURE and EQUIPMENT: Do not open pouches to mix product; pouches dissolve water. Do not handle pouches with wet hands. Do not mix with anything but water. Wash hands after handling pouches.


SPECIAL SHIPPING INFORMATION: None

PROCEDURES FOR HANDLING LEAKS OR SPILLS: Pick up undamaged pouches and place in labeled air tight containers. Sweep up any damaged pouches and spilled powder and place in suitable containers for disposal. Flush any powder residue away with water. Do not allow any rinse water to enter open bodies of water or storm sewers.

WASTE DISPOSAL: As per all local, provincial and federal regulations.

8. FIRST AID MEASURES:

Product is sold in water-soluble pouches. Direct contact with powder is unlikely under normal use conditions. Should direct contact with powder occur, follow these instructions.

EYE CONTACT: Flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. If irritation persists, get medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists, get medical attention.

INHALATION: If large amounts of dust have been inhaled, move the exposed employee to fresh air immediately. Obtain medical attention.

INGESTION: If ingested and victim is alert and not convulsing, rinse mouth out. Give ½ to 1 glass of water to dilute. Do not induce vomiting. Obtain medical attention.