

# MATERIAL SAFETY DATA SHEET

Revision #: 02

## Section 1 - Product Identification & Use

Product Name: **Advance Dishwashing Powder**  
WHMIS: Class D2b  
TDG Classification: Corrosive solids, n.o.s. (sodium hydroxide)  
Class 8, UN 1759, III  
Supplier: Advance Chemicals Ltd.  
2023 Kingsway Avenue  
Port Coquitlam, B.C. V3C 1S9  
Phone: (604) 945-9666 fax: (604) 945-9617  
Emergency phone: CANUTEC 204 hrs (613) 996-6666

## Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD <sub>50</sub> & LC <sub>50</sub>
Sodium metasilicate	10-30	6834-92-0	oral, rat 1153mg/kg
Sodium hydroxide	5-10	1310-73-2	oral, rat 2000mg/kg

## Section 3 - Physical Data

Physical state: solid  
Boiling point: no data  
Specific Gravity: no data  
Freezing point: no data  
pH: 10-12 (1% solution)  
Solubility in water: > 10g/100mL  
Vapour pressure: no data  
Evaporation rate: no data found  
**Odour & Appearance:** Off white, odourless powder.

## Section 4 - Fire or Explosion Hazard

**Flammability:** The product is not considered to be flammable.  
**Extinguishing media:** Water. Wear full chemical protective clothing. Use an extinguishing media for surrounding the fire, or all purpose foam by manufacturer's recommended techniques for large fires. Use water to cool fire exposed containers to prevent vapour build-up and rupture.  
**Hazardous Combustion/Decomposition Products:** None known.

## Section 5 - Reactivity Data

**Stability:** Stable  
**Incompatible substances:** None known.  
**Polymerization:** Will not occur.  
**Conditions to Avoid:** Excessive heat.

## Section 6 - Toxicological Properties

**Skin contact:** Irritation. May be harmful by absorption.  
**Eye contact:** Irritation.  
**Ingestion:** Irritation of tissues.  
**Inhalation:** Irritation of tissues.

## Section 7 - Preventative Measures

**Personal Protective Equipment:** Avoid contact with skin and eyes. Wear chemical protective gloves and glasses.  
**Respiratory protection:** Use an NIOSH/MSHA approved air purifying, dust, mist and particulate respirator for high concentrations.  
**Action to take for spills & leaks:** Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Small spills should be swept or vacuumed up and disposed of in government approved waste containers. The spill area may then be flushed with large quantities of water. Larger spills should be contained by diking with sand, soil or other non-combustible material, then transferred into approved waste containers for proper disposal. Do not allow spilled, or waste product to flow into waterways. Keep product out of sewers, storm drains, surface run-off water and soil. Restrict access to non-protected personnel. Comply with all government regulations on spill reporting, and handling and disposal of waste. Remaining spill residues may be treated with a dilute acid solution to neutralize, then washed with water.  
**Disposal methods:** Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.  
**Note:** Empty containers can have residues, gasses and mists, and are subject to proper waste disposal as mentioned above.

**Storage & Handling Precautions:** Warning. Harmful or fatal if swallowed. Causes eye, skin and respiratory irritation. Avoid contact with eyes and repeated contact with skin and clothing. Do not ingest. Keep container tightly closed when not in use. Store upright in a cool, dry, well-ventilated place away from incompatible materials. Do not use pressure to empty container. Wash thoroughly after handling. Use with adequate ventilation.

**Repair and Maintenance Precautions:** Do not cut, grind, weld or drill in, on or near this container.

## Section 8 - First Aid Measures

**If inhaled:** Remove victim to fresh air. Give artificial respiration if not breathing. Get immediate emergency medical attention. Keep patient warm and at rest.

**In case of eye contact:** Immediately flush eyes with clean water for at least twenty (20) minutes, lifting the upper and lower eyelids to ensure complete flushing action of the eyeball. Get immediate emergency medical attention. Do not transport victim until the recommended flushing period has been completed, unless eye flushing can be carried out during transport.

**In case of skin contact:** Immediately flush skin with plenty of clean running water for at least twenty (20) minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Launder clothes before re-use.

**In case of ingestion or swallowing:** If victim is conscious, dilute stomach contents by giving large amounts of water or milk. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. GET IMMEDIATE EMERGENCY MEDICAL ATTENTION.

## Section 9 - Preparation Information

Advance Chemicals Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all-inclusive, and the manner and conditions of use may involve other and additional considerations.

Revised: 6 July 2004; 22 November 2006