

SECTION 1 - IDENTIFICATION

Product identifier/Trade name:	SUPER DETERGENT MACHINE DISHWASHING POWDER
Other means of identification:	1806727
Recommended use	Powder Machine Dishwashing Detergent
Restriction on use:	For industrial, institutional and food plant use only
Initial supplier identifier:	CHANDLER 225 Thorne Avenue St John, NB, Canada E2L 4L9 Phone: 1-800-363-9611
Emergency phone number:	(613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION

2a Classification as per the Consumer Chemicals and Containers Regulations

This product is classified as:

Acute toxicity, Category 4
Skin corrosion/ irritation, Category 1
Causes serious eye damage, Category 1B
May cause respiratory irritation

2b Label elements

Pictogram



Signal word: DANGER, CORROSIVE

Hazard statement:

Harmful if swallowed
Causes severe skin burns and eye damage
May cause respiratory irritation

Precautionary statements

Do not breathe dust. Wash hands thoroughly after handling. Wear rubber gloves, protective clothing, eye or face protection.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or a doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Immediately call a POISON CENTER or a doctor.

IF ON SKIN: Take off immediately contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or a doctor.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Sodium Hydroxyde	1310-73-2	20-40	Serious eye damage/irritation, category 1 Skin corrosion, Category 1B Corrosive to metal, Category 1
Sodium carbonate	497-19-8	30-50	Eye irritation, category 2 Eye irritation, category 2
Sodium Tripholyphosphate	7758-29-4	5-10	Eye damage/Irritation Category 2

The actual concentrations are withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or a doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Immediately call a POISON CENTER or a doctor.

IF ON SKIN: Take off immediately contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

IF INHALATED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or a doctor.

4b Most important symptoms and effects

The most important known symptoms and effects are described in the labelling (section 2b) and/or in section 11.

4c Immediate medical attention and special treatment needed

No data available.

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media

Suitable extinguishing media:

Water, foam, dry chemicals, carbon dioxide. Product itself is not flammable.

Unsuitable extinguishing media:

None known.

5b Specific hazards for product

Hazardous combustion products:

Carbon oxide, phosphorus, sulfur, and other irritating gases.

5c Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:

During a fire a self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from products produced during the combustion. Move containers from fire area if it can be done without risk.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment, and emergency procedures

Personal protection:

Avoid contact with eyes and skin. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

6c Environmental precautions:

Product contains phosphate and is corrosive. Do not let go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for Safe handling:

Avoid contact with eyes and skin. When used as directed, direct contact is not very likely.

7b Condition for safe storage:

Keep in a tightly sealed container in a well-ventilated room. Do not store on surfaces that may come into contact food products.

7c Special packaging materials: Store in its original container. This product when wet may become corrosive to certain metals.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

	Ontario Average Limit (TWA)	Time-weighted Average Limit (TWA)	Ontario Exposure Limit (STEL)	Short-Term Exposure Limit (STEL)	Notations
Sodium hydroxide	2mg/m3		2mg/m3		

8b Engineering controls:

Provide adequate ventilation.

8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Respirator NIOSH/MSHA approved if large spill and lack of ventilation or if formation of mists.

Skin protection and other protective equipment:

Protective clothing is recommended only under exceptional circumstances such as fire or spill of concentrated product. Waterproof boots in case of spills. Plastic or rubber gloves recommended.

Eye / face protection:

Safety goggles recommended.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:	White powder without added fragrance
Odour threshold:	N/Av
pH :	Approximately 13 (1% solution)
Melting point and freezing point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate (n-BuAc =1):	Not applicable
Lower flammable limit (% by volume):	N/Av
Upper flammable limit (% by volume):	N/Av.
Explosion data - Sensitivity to mechanical impact:	Not sensitive
Explosion data - Sensitivity to static discharge:	Not sensitive
Vapour pressure (mm Hg)	Not applicable
Vapour density:	Not applicable
Specific gravity or density (water = 1 at 4 °C):	Not applicable
Solubility in water:	Very soluble
Partition coefficient – n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature	Not available
Viscosity:	Not applicable

SECTION 10 - STABILITY AND REACTIVITY
--

10a Reactivity:

Not applicable when used as directed. It is incompatible with some materials, see below.

10b Chemical stability:

Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:

May react with strong acids, may be corrosive to metals.

10d Conditions to avoid:

Avoid contact with strong acids and strong oxidant.

10e Incompatible materials

Strong acids, strong oxidant

10f Hazardous decomposition products:

Water vapors, Carbon oxide, carbon dioxide, phosphorus oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.

Eye: Corrosive product. May cause severe irritation, redness, tears, burning sensation.

Skin: May cause severe irritation on skin.

Inhalation: Not applicable when used as directed.

Ingestion: Causes severe irritation to mouth, throat, oesophagus, stomach.

Carcinogenicity:

No ingredient listed by IARC as a possible carcinogen.

Teratogenicity, mutagenicity, other reproductive effects:

Genetic toxicity tests have been negative for ingredients

Skin sensitization:

Ingredients not sensitizing

Respiratory tract sensitization:

Not available

Synergistic materials: Not available

Other important hazards:

Prolonged or frequent contact can cause eczema and inflammation of the skin as a result of degreasing.

Toxicological data: The calculated LD₅₀ for this product is greater than 2,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD ₅₀ (route, species)	LC ₅₀ # hours (species)
Sodium Hydroxide	240 mg/kg (oral, rat)	Not available
Sodium carbonate	4090 mg/kg (oral, rat) Dermal Rabbit : ≥ 2,000mg/kg	2350mg/l(Rat)
Pentasodium Tripolyphosphate	3900mg/kg (oral rat)	Not available

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

- 12a Ecotoxicity:** No relevant information available
- 12b Persistence and degradability:** Product is readily biodegradable.
- 12c Bioaccumulation potential:** Not expected to be bioaccumulative.
- 12d Mobility in soil:** There is no test data on this product.
- 12e Other adverse effect** No applicable information found

SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods:

UN Number UN1823
 Proper shipping name: SODIUM HYDROXIDE SOLID
 Class: 8
 Packing group: II
 Special case:

SECTION 15 - REGULATORY INFORMATION

In Canada

WHMIS information:

This product has been classified in accordance with the hazard criteria of the **Consumer Chemicals and Containers Regulations**

WHMIS 2015

Classification: Not applicable, sold for retail.

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION**Date of latest revision** 2022-05-09**References:**

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the SDS