

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product name** : MACHINE DISH POWDER

**Use of the substance/  
mixture** : POWERFUL DETERGENT FOR AUTOMATIC  
DISHWASHING MACHINES

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## SECTION 2 - HAZARDS IDENTIFICATION

**Classification (GHS)** : Skin corrosion. Eye damage. Acute toxic.



**Hazard pictograms (GHS)**

**Signal word (GHS):** Danger

**Hazard statements (GHS):** Causes severe skin burns and eye damage

**Precautionary statements (GHS):** Do not breathe dust. Wash thoroughly after handling.

Wear eye protection, protective clothing, protective gloves. Wash contaminated clothing after re-use.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION %
Sodium carbonate	497-19-8	45-55 %
Disodium metasilicate	6834-92-0	10-20 %
Troclosene sodium dihydrate	51580-88-0	1 – 5 %

## MACHINE DISH POWDER

### SECTION 4 – FIRST AID MEASURES

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.
- Symptoms/injuries : Causes severe skin burns and eye damage.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.
- Symptoms/injuries after eye contact : Causes serious eye damage. Corrosion of eye tissue. Permanent eye damage.

Treat symptomatically.

## MACHINE DISH POWDER

### SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media	: Adapt extinguishing media to the environment.
Reactivity	: Powder may produce chlorine gas when wet. Upon combustion: CO and CO <sub>2</sub> are formed. If the product is involved in a fire, it can release toxic chlorine gases.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

General measures	: Isolate from fire, if possible, without unnecessary risk.
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#### For non-emergency personnel

Protective equipment	: Protective goggles. Gloves. Protective clothing.
Emergency procedures	: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

#### For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop leak if safe to do so. Stop release. Ventilate area.
Environmental precautions:	Avoid release to the environment. Prevent soil and water pollution.
For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: Absorb spillage to prevent material damage. This material and its container must be disposed of in a safe way, and as per local legislation.

### SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling	: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care.
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## MACHINE DISH POWDER

Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.
Technical measures	: Comply with applicable regulations.
Storage conditions	: Store in corrosive resistant container with a resistant inner liner. Keep container closed when not in use.
Incompatible products	: Acids. reducing agents.
Storage area	: Keep only in the original container. Store in a dry area. Store in a cool area.
Special rules on packaging	: Meet the legal requirements. Keep only in original container.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

**Sodium carbonate** (497-19-8)

Not applicable.

**Disodium metasilicate** (6834-92-0)

Not applicable.

**Troclosene sodium dehydrate** (51580-86-0)

Not applicable.

Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary.  
Safety glasses. Gloves. Protective clothing.



### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solid
Appearance	: White, free-flowing powder.
Odour	: Mild, chlorine-like
Odour threshold	: No data available
pH	: 10.5 to 13.1 (solution)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available

## MACHINE DISH POWDER

Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: 0 %

### SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Powder may produce chlorine gas when wet. Upon combustion: CO and CO<sub>2</sub> are formed. If the product is involved in a fire, it can release toxic chlorine gases.

Chemical stability: Stable under normal conditions.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## MACHINE DISH POWDER

### SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity Not classified

#### **troclosene sodium, dihydrate (51580-86-0)**

LD50 oral rat	1671 mg/kg bodyweight (EPA OPP 81-1: Acute oral toxicity, rat, male/female, Experimental value)
LD50 dermal rat	> 5000 mg/kg (EPA OPP 81-2: Rat, male/female, Experimental value)
LC 50 inhalation rat (mg/L)	0.27 – 1.17 mg/L (equivalent or similar to OECD 403, 4h Rat, male/female, Experimental value).
ATE CLP (oral)	1671 mg/kg body weight
ATE CLP (vapours)	2.3 mg/L 4 h
ATE CLP (dust, mist)	2.3 mg/L 4 h

#### **sodium carbonate (497-19-8)**

LD50 oral rat	2800 mg/kg (Rat; Experimental value)
LD oral rat	2800 mg/kg (Rat, male/female, Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (16 CFR 1500 40 24 h Rabbit; Experimental value)
ATE CLP (oral)	2800 mg/kg body weight
ATE CLP (vapours)	2.3 mg/L 4 h
ATE CLP (dust, mist)	2.3 mg/L 4 h

Skin corrosion/irritation : Causes severe skin burns. (10.5 to 13.1 solution)

Serious eye damage/irritation : Causes eye damage. (10.5 to 13.1 solution)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

## **MACHINE DISH POWDER**

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact : Causes serious eye damage.  
Corrosion of the eye tissue.  
Permanent eye damage.

Symptoms/injuries after ingestion : Harmful if swallowed.  
Gastrointestinal complaints.  
Burns to the gastric/intestinal mucosa.

Likely routes of entry: Skin and eye contact.

### **SECTION 12 - ECOLOGICAL INFORMATION**

Ecology (General): No additional information available

Persistence and degradability: No additional information available

Bioaccumulation potential: No additional information available

### **SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste disposal recommendations: Dispose in accordance with local / national regulations.

### **SECTION 14 – TRANSPORT INFORMATION**

TDG description: UN3262 Corrosive solid, basic, inorganic, n.o.s., 8, III

UN Number: UN3262

Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s.

Class: Class 8 - Corrosive material.

### **SECTION 15 - REGULATORY INFORMATION**

**THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015**

### **SECTION 16 - OTHER INFORMATION**

**Information sources: SUPPLIER'S SDS**

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