

**SAFETY DATA SHEET****Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER**

**Product Name:** Shift Cartridge Cleaner  
**Recommended Use:** Filter cleaner  
**Company Identification:** Poolcare Ltd  
**Address:** 54A Hewletts Road Mount Maunganui. Ph: (07) 575 8471

**Emergency Telephone Number:** IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE  
**National Poisons Information Centre:** 0800 POISON (0800 764 766) 24 HOURS

**Section 2: HAZARD IDENTIFICATION**

**Dangerous Goods:** Classified as Dangerous Goods Class 8, Packing Group II for transportation

**Signal word:** **DANGER**

**Hazardous Substance (HSNO):** 8.1A -May be corrosive to metals  
8.2B – Causes severe skin burns and eye damage  
8.3A – Causes serious eye damage  
9.1D – Harmful to aquatic life  
9.3C – Harmful to terrestrial vertebrates

**Prevention Statements:** P102 Keep out of reach of children.  
P103 Read label before use.  
P104 Read safety data sheet before use.  
P260 Do not breathe mist.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/clothing and eye/face protection.

**Section 3: COMPOSITION INFORMATION**

INGREDIENT	CAS No.	CONTENT
Sodium hydroxide	1310-73-2	5-10%
Mixture (non-hazardous)		Balance

**Section 4: FIRST AID MEASURES**

For medical advice, consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor. Have product container or label at hand.

**Inhalation:** Remove to fresh air. Seek medical assistance if symptoms appear.  
**Swallowed:** Do NOT induce vomiting. Rinse mouth and dilute by drinking 2 glasses of water or milk. Seek medical assistance immediately.  
**Skin contact:** If skin becomes irritated, wash skin with water. Seek medical advice if symptoms appear.  
**Eye contact:** Rinse eyes cautiously with running water for at least 15 minutes. Remove contact lenses after 5 minutes if possible. Continue rinsing. Seek medical assistance immediately.  
**Advice to Doctor:** No specific antidote. Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

**Flammability:** Non flammable

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Spills and Disposal:** Wear protective clothing. Contain small spills and dispose to sewer. Prevent spills entering drains and waterways.

**Section 7: HANDLING AND STORAGE**

**Handling:** Keep out of reach of children. Read the label before use. Avoid contact with skin and eyes.  
**Storage:** Store in original container away from food.

**Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**Exposure Limits:** No exposure limits have been assigned for this product.  
**Protective Equipment:** Wear PVC gloves when handling.  
**Hygiene Precautions:** Do not eat, drink or smoke while using this product. Wash hands thoroughly after handling.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear viscous liquid  
No specific odour  
1.1  
Disperses in water  
10.5-12.5

**Odour:**

**Density:**

**Solubility in Water:**

**pH:**

### Section 10: STABILITY AND REACTIVITY

- Stability:** The product is stable. Avoid contact with foodstuffs.
- Incompatible materials:** Incompatible with acids, ammonium salts, aluminium, tin and zinc.
- Hazardous reactions:** Corrosive to aluminium, tin and zinc, liberating flammable hydrogen gas. Reacts violently with acids.

### Section 11: TOXICOLOGICAL INFORMATION

- Inhalation:** Breathing in mists may produce respiratory irritation.
- Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, and chemical burns to the gastrointestinal tract.
- Skin:** Highly corrosive to skin – may cause skin burns.
- Eye:** Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
- Chronic Effects:** No toxicity data for this specific product, however toxicity data for the hazardous ingredient is listed below.  
TOXICITY DATA FOR SODIUM HYDROXIDE:  
Intraperitoneal LD<sub>50</sub> (mouse) 40 mg/kg Oral Lowest Lethal Dose (rabbit) 500 mg/kg  
Skin (rabbit) severe irritation 500mg/24hr Eyes (rabbit) severe irritation 1 mg/30 sec rinse.

### Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Avoid contaminating waterways.

### Section 13: DISPOSAL INFORMATION

- Product Disposal:** The product should be heavily diluted with water and disposed of to sewer.
- Container Disposal:** Empty containers should be triple rinsed and either recycled or placed in general waste.

### Section 14: TRANSPORT INFORMATION

**RAIL/ROAD:**

1824

**UN Number:**

Sodium Hydroxide Solution

8

II

**Proper Shipping Name:**

no

**DG Class:**

2X

**Packing Group:****Marine Pollutant:****Hazchem Code:****Section 15: REGULATORY INFORMATION**

Cleaning Products (Corrosive) Group Standard: HSR002530

**Section 16: OTHER INFORMATION**

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties or the accuracy or comprehensiveness of the information is expressed or implied.