

Material Safety Data Sheet  
According to 91/155 EEC

### 1. Identification of the substance/preparation and of the company/undertaking

- **Trade Name:** Cartridge Cleaner
  - **Other names** Filter Restore, Filter Cleaner
  - **Intended use of chemical** Cleaning Agent
  - **Manufacturer/Supplier** E.J.Payne Ltd, 1 Belgrave Road, Longton, Stoke-on-Trent, Staffs, ST3 4PR
- Tel: +44 (0) 1782 312534  
Fax: +44 (0)1782 599868

### 2. Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description** Diposphonic acid 20-60%
- **CAS No. Description** Polycarboxylic acid 10-1 5%
- **Description** Sodium hydroxide 0.3-10.0%
- **CAS No.** 1310-73-2
- **EINECS Number:** 215-185-5
- **Description** Potassium hydroxide 0.3-10.0%
- **CAS No.** 1310-58-3
- **EINECS Number:** 215-181-3

### 3. Hazard Identification



C Corrosive

#### • Hazard Information concerning particular hazards for human and the environment

R34 Causes burns

### 4. First Aid measures

- **After inhalation:** Remove person to fresh air and seek medical attention. If breathing is difficult, allow a trained person to administer oxygen.
- **After skin contact:** Remove all contaminated clothing and footwear immediately unless stuck to skin. Wash with cold water for a minimum of 15 minutes. If skin irritation persists, seek medical attention

• After eye contact:	Flush eyes with cold flowing water for at least 20 minutes. Seek medical attention immediately
• After Ingestion:	Drink large quantities of water. <b>DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b> Seek medical attention

**5. Fire fighting measures**

• Special extinguishing media:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. .
• Special exposure hazards in fire:	Emits toxic fumes
• Special protective equipment:	Wear self contained breathing apparatus. Wear protective clothing to prevent contact with eyes and skin.



**6. Accidental release Measures**

• Personal Protection	Ensure adequate ventilation. Use appropriate personal protective equipment as detailed in section 8.
• Environmental Protection	Do not allow to penetrate the ground/soil. Do not allow to enter sewers/surface or ground water.
• Methods for cleaning:	Contain and absorb the spillage with inert material such as sand. Sweep up the spill and place in clean, dry plastic containers including any contaminated soil. Dispose of product in accordance with relevant local and national waste disposal legislation

**7. Handling and storage**

• Personal Protection	Prevent formation of aerosols. Ensure good ventilation.
• Storage	Keep container tightly sealed, store away from oxidising agents. Do not store with acids. Prevent seepage into the ground.

### 8. Exposure control/personal protection

<b>• Exposure control limits and source:</b>	<b>1310-73-2 Sodium hydroxide</b>	
	WEL	Short-term value: 2 mg/m <sup>3</sup>
		
		
	<b>1310-58-3 Potassium hydroxide</b>	
	WEL	Short-term value: 2 mg/m <sup>3</sup>
<b>• Hand Protection</b>	Wear suitable chemical resistant gloves	
<b>• Eye Protection</b>	Wear appropriate safety goggles	
<b>• Skin Protection</b>	Wear protective clothing with elasticised cuffs and closed neck. Wear boots made of PVC.	

### 9. Physical and chemical properties

<b>• Appearance at 20oC</b>	Light Yellow fluid
<b>• Odour</b>	Mild
<b>• Specific gravity at 20oC</b>	1.2 g/cm <sup>3</sup>
<b>• pH (conc)</b>	11 - 13
<b>• Flash Point</b>	N/A
<b>• Solubility in water</b>	Fully miscible

### 10. Stability and reactivity

<b>• Conditions to avoid</b>	High temperature. Poor ventilation. Contamination.
<b>• Materials to avoid</b>	Strong Acids. Finely powdered metals
<b>• Hazardous decomposition products</b>	No dangerous reactions known

**11. Toxicological Information**

- **Inhalation** Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if inhaled.
- **Ingestion** Harmful if swallowed
- **Skin** Causes severe burns on contact with skin
- **Eyes** Strong caustic effect.
- **Toxicity**  
1310-73-2 Sodium hydroxide  
Oral LD50 2000 mg/kg (rat)  
1310-58-3 Potassium hydroxide  
Oral LD50 273 mg/kg (rat)

**12. Ecological Information**

- **Mobility** Product is not expected to bioaccumulate.
- **Persistence and degradability** Biodegradable
- **Other adverse effects** This product may be toxic to fish and aquatic organisms. Do not allow undiluted product to reach ground water, watercourse or sewage.

**13. Disposal Considerations**

- **Substance** Treat as hazardous waste. DO NOT put product, spilled product or filled or partially filled containers into the waste. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to municipal, provincial and federal regulations.
- **Container** DO NOT re-use container. Rinse thoroughly before discarding. Treat as hazardous waste.

**14. Transport Information**

- **U N No** 1719
- **Proper shipping name** CAUSTIC ALKALI LIQUID, N.O.S.
- **Class/division** 8
- **Packing group** I
- **Hazard I D No**

**15. Regulatory information**

• <b>Product Name</b>	Cartridge Cleaner	
• <b>Symbol</b>	C	
• <b>Indications of danger</b>	Corrosive	
• <b>Risk phrases</b>	R22	Harmful if swallowed
	R 34	Causes burns
• <b>Safety phrases</b>	S1/2	Keep locked up and out of the reach of children
	S24/25	Avoid contact with skin and eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S60	Do not empty into drains. Dispose of this material and its container at hazardous or special waste collection point.

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.