

# Material Safety Datasheet

## Company Details

<u>Name</u>	BLYCHEM LTD		
<u>Address</u>	IBL Industrial Zone	<u>Tel</u>	203 9350
	R.Terre	<u>Fax</u>	203 9352
	EEmail:Blychem@iblgroup.com		

## 1. Product and Company Identification

<u>Trade / Commercial Name</u>	Powerkleen
<u>Chemical Family</u>	Strong Alkalis

## 2. Composition

<u>Hazardous Components</u>	Sodium Hydroxide 20-30 % CAS No 1310-73-2
-----------------------------	---

## 3. Hazards Identification

Corrosive  
Poisonous if inhaled or swallowed.  
Skin contact poisonous.  
Contact could cause burns to skin and eyes.  
Fire could produce irritating or poisonous gases.  
Runoff from fire-control or dilution water could cause pollution.  
Contact with skin or eyes will cause burning dependent on concentration.  
Breathing high concentrations may cause coughing or sneezing.  
Ingestion: Serious burns of mouth.

## 4. First Aid Measures

<u>First Aid Skin</u>	Wash off with water. Remove clothing. Shower thoroughly.
<u>First Aid Eyes</u>	Flush eyes with water for 15 minutes. Hold eyelids open while washing.
<u>First Aid Ingested</u>	Do not induce vomiting.
<u>First Aid Inhalation</u>	Remove from contaminated area. Give oxygen. CPR if indicated.

## 5. Fire Fighting Measures

Flammability: Not flammable  
Extinguishing Media: Not flammable-In the vent of a fire due to other causes the product is compatible with water, foam, carbon dioxide or dry powder extinguishers.

Exposure Hazards: None known

Protective Equipment: Fire-fighters should wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection

Hazardous combustion products: Toxic and irritant fumes may be given off when heated to decomposition.

## 6. Accidental Release Measures

Full protective clothing including breathing apparatus

Dilute (substance may be washed to drain with a lot of water)

### PRECAUTIONS:

Restrict access to area.

Provide adequate protective equipment and ventilation.

Remove sources of heat and flame.

Notify occupational and environmental authorities.

### SPILL OR LEAK:

Do not touch spilled material.

Stop leak if you can do it without risk.

Use water spray to reduce vapours.

## 7. Handling And Storage

Handling: Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Always add the product to water(not vice versa)

Storage: Store in original containers in a cool, dry place. Avoid extremes of temperature.

## 8. Exposure Controls/Personal Protection

Occupational Exposure Limits NA

### Controls

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

Have a safety shower/eye wash fountain readily available in the immediate work area

### Personal Protection

Wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection.

Have appropriate equipment available for use in emergencies.

## 9. Physical & Chemical Properties

Dark Brown liquid

pH > 13.

## 10. Stability And Reactivity

### Conditions to Avoid

Risk of violent reaction.

### Incompatible Materials

Reactivity: Strong acid - reacts violently with alkalis, and most metals evolving hydrogen gas.

### Other

## 11. Toxicological Information

Eyes: Corrosive-Causes severe burns or permanent damage

Skin: Causes severe burns

Inhalation: severe irritant, may cause pulmonary oedema

Ingestion: causes severe burns

## 12. Ecological Information

The anionic surfactants are more than 90% biodegradable

The only potential hazard is from the alkalinity of the product

## 13. Disposal Considerations

Disposal Method Product We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal Method Packaging Disposal in accordance with local legal provisions.

## 14. Regulatory Information

EEC Hazard Classification Corrosive

Risk Phases Causes severe burns

Safety Phases Keep out of reach of children

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection.

## 15. Transport Information

**Local Regulation:** Corrosive **UN No:** 1824 **UN Class:** 8

## 16. Other Information

Handle and apply only as recommended.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properness of the product.

**Date prepared:** September 2010.

**Date revised:** January 2012.