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1. Identification of the product

Identification of the product : Aqueous solution.
Type of product : Alkaline mixture.
Use : See product bulletin for detailed information.

2. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Contents	CAS No	EC No	Index No	Classification
Potassium hydroxide	15 to 30 %	1310-58-3	215-181-3	019-002-00-8	Xn; R22 C; R35
Sodium hypochlorite	5 to 15 %	7681-52-9	231-668-3	017-011-00-1	R31 C; R34 N; R50
Sodium metasilicate	5 to 15 %	1344-09-8			C; R34

3. Hazards identification

Risk Phrases : Corrosive.
Primary route of exposure : Skin and eyes contact. Ingestion.
Symptoms relating to use

- **Inhalation** : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- **Skin contact** : Causes burns.
- **Eye contact** : Redness, pain. Risk of serious damage to eyes. Blurred vision.
- **Ingestion** : Severe ingestion hazard.

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4. First aid measures

First aid

- **Inhalation** : Not expected to require first aid measures.
- **Skin contact** : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Rinse immediately with plenty of water. Seek medical attention immediately.
- **Ingestion** : Rinse mouth. DO NOT INDUCE VOMITING. Obtain medical attention.

5. Fire - fighting measures

- Extinguishing media** : All extinguishing media can be used.
- Protection against fire** : Wear proper protective equipment.
- Special procedures** : Exercise caution when fighting any chemical fire.

6. Accidental release measures

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- After spillage and/or leakage** : Dike for recovery or absorb with appropriate material. Dilute residues and flush.

7. Handling and storage

- Storage** : Keep container closed when not in use. Do not store in corrodable metal.
- Handling** : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

8. Exposure controls / personal protection

- Personal protection**
- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **Hand protection** : Gloves.
- **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
- **Eye protection** : Chemical goggles or safety glasses.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Local exhaust and general ventilation must be adequate to meet exposure standards.

9. Physical and chemical properties

Physical state	: Liquid.
Colour	: Yellow.
Odour	: Chlorine.
pH value	:14
Density	: 1.29+/- 0.05

10. Stability and reactivity

Hazardous decomposition products	: Chlorine.
Hazardous reactions	: None under normal conditions.
Hazardous properties	: None under normal conditions.
Materials to avoid	: Acids.

11. Toxicological information

Toxicity information	: No data available
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12. Ecological information

Ecological effects information	: No data available.
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13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.
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14. Transport information

Hazard Label(s)



	: Corrosive.
-UN No.	: 3266
-ADR/RID	: Class 8, 47b.

15. Regulatory information

Symbol(s)	: Corrosive.
R Phrase(s)	: R35 : Causes severe burns.
S Phrase(s)	: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with 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 when possible). S59 : Refer to manufacturer/supplier for information on recovery/recycling.

16. Other information

Recommended uses and restrictions : See product bulletin for detailed information.

The contents and format of this SDS are in accordance with EEC Commission Directive 2004/73/EC.

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