

# SAFETY DATA SHEET



Product Name: **Alkbuild**

Version No. 1      Revision date      Authorisation date 31.03.2011

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name ALKBUILD  
Synonym (s)  
Company Identification **Beacon Water Treatments Limited**  
**Parsons Hall Industrial Estate**  
**High Street** Telephone **01933 410066**  
**Irchester `NN29 7AB**  
Emergency Telephone **01604 505735**

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS ALKALINE SOLUTION

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SODIUM HYDROXIDE	1310-73-2	215-185-5	C: R35	15-20%

## 3. HAZARDS IDENTIFICATION

Physical & Chemical: NOT CLASSIFIED



Health: CAUSES SEVERE BURNS.

**CORROSIVE**

Environmental: ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

## 4. FIRST AID MEASURES

**General information** Remove contaminated clothing immediately, to be disposed of or washed before re-use.  
**Inhalation** Remove casualty to fresh air and provide warmth and rest; if necessary, seek medical advice  
**Skin contact** Clean areas of skin affected immediately with soap and plenty of water; if necessary, seek medical advice.  
**Eye contact** Immediately wash out eye thoroughly with plenty of water until irritation subsides. CONSULT AN EYE SPECIALIST/OPHTHALMOLOGIST.  
**Ingestion** If product is swallowed, do NOT induce vomiting. Drink plenty of water and if necessary seek medical advice. Beware of aspiration if vomiting occurs.

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## 5. FIRE FIGHTING MEASURES

<b>General hazard</b>	THE PRODUCT IS NOT FLAMMABLE
<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
<b>Extinguishing media not to be used</b>	
<b>Special exposure hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.
<b>Further information</b>	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Methods for cleaning up</b>	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed.
<b>Environmental considerations</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>Further information</b>	

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.
<b>Further information</b>	

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure controls</b>	There are no occupational exposure limit values available (OES. Data for NaOH is for solid material) LTEL (8 hour TWA):                      ppm                      mg/m <sup>3</sup> STEL (15 min.):                              ppm                      mg/m <sup>3</sup>
<b>Engineering controls</b>	Ensure adequate ventilation of working area.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid contact with eyes and skin Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles
<b>Skin protection</b>	Gloves (e.g. Nitrile – also consider your own risk assessment.)
<b>Respiratory protection</b>	Approved respirator (e.g. EN 149:2001 FFP3) if ventilation is insufficient.
<b>Other protection</b>	Protective overall, boots

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## 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical form** Liquid  
**Colour**  
**Odour**  
**pH** > 12  
**Boiling pt / range** From 100 °C  
**Melting pt / range** Not determined.  
**Flash point** Not applicable °C  
**Specific gravity** 1.20 – 1.25  
**Explosive limits** Lower: % (v/v) Higher: % (v/v)  
**Viscosity**  
**Water solubility** Miscible

## 10. STABILITY & REACTIVITY

**Stability** Stable under normal conditions of handling.  
**Thermal decomposition** Not determined.  
**Conditions to avoid** Not determined.  
**Material to avoid** None known  
**Hazardous reactions** None known  
**Hazardous decomposition products** Not determined.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** LD<sub>50</sub> rat (oral) mg/kg No data available.  
**Dermal compatibility** No data available.  
**Mucous membrane compatibility** No data available.  
**Further information**

## 12. ECOLOGICAL INFORMATION

**Acute toxicity** LC<sub>50</sub> Fish mg/l No data available.  
**Degradability** No data available.  
**Further information** Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

## 13. DISPOSAL CONSIDERATIONS

**Advice on disposal** In accordance with national and local authority regulations, e.g. controlled waste.  
**Contaminated packaging** Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

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## 14. TRANSPORT INFORMATION

**United Nations number** UN 1824  
**Packaging group** II  
**IMDG code** 8/1824/II  
**RID / ADR** 8/II  
**Marine pollutant** The product should not be marked as a marine pollutant.  
**Proper shipping name** SODIUM HYDROXIDE SOLUTION  
**Emergency action code** 2R

## 15. REGULATORY INFORMATION

**Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3) Contains sodium hydroxide



**CORROSIVE**

**Risk phrases** R35 CAUSES SEVERE BURNS.  
**Safety phrases** S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.  
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).

## 16. OTHER INFORMATION

**Further information** Risk phrases referred to in section 2  
R35: Causes severe burns.  
**Sources of data** Other suppliers' safety data sheets, Approved Supply List  
**Date of issue** 31.03.2011

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Data sheet prepared by BWT (29)