

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: **STEAMCARE B7**

APPLICATION: pH and alkalinity conditioner.

REACH REGISTRATION: All constituents have been registered under REACH, however the REACH registration codes have not yet been received.

SUPPLIER: CLEARWATER TECHNOLOGY LIMITED
Saxon Business Park, Hanbury Road, Bromsgrove, Worcestershire, B60 4AD

CONTACT PERSON: lab@clearwater.eu.com

EMERGENCY TELEPHONE: (01527) 875700 (International: +44 1527 875700)

2. HAZARDS IDENTIFICATION

Classification (67/548): Corrosive – causes severe burns.

Classification (EC 1272/2008): Signal Word: Danger
Hazard Statements: H314 – Causes severe skin burns and eye damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CLASSIF'N	CLP CLASSIF'N	CAS	EINECS	CONC'N
Sodium Hydroxide	C:R35	H314	1310-73-2	215-185-5	32%

4. FIRST AID MEASURES

Eye Contact: Irrigate immediately with water for at least 10 minutes. OBTAIN IMMEDIATE MEDICAL ATTENTION

Inhalation: Remove from exposure, rest and keep warm. If recovery not rapid, obtain medical attention

Skin Contact: Immediately wash skin thoroughly with water, remove contaminated clothing and wash before re-use. Obtain medical attention if irritation persists or if blistering occurs

Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN IMMEDIATE MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Select extinguishing media appropriate to other materials involved in and/or to the circumstances of the fire

Special Exposure Hazards: Non-flammable, contact with certain metals may evolve hydrogen

Special Protective Equipment: Wear self-contained breathing apparatus and full body protective clothing

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing including rubber boots. Do not discharge to drains or watercourses. Absorb with an inert absorbent material and transfer to suitable plastic container for disposal. Rinse area with plenty of water.

7. HANDLING AND STORAGE

Handling: Handle and open containers with care. Avoid skin and eye contact. Ensure adequate ventilation.

Storage: Protect from frost. Store at room temperature (15 to 20 Deg C recommended). Keep well closed and protected from direct sunlight and moisture. Store only in original containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation.

Occupational Exposure Limit: Short term OES: 2 mg.m⁻³ Sodium Hydroxide

Respiratory Protective Equipment: Wear respiratory protective if OES is likely to be exceeded.

Hand Protection: Impervious gloves (eg butyl rubber or PVC)

Eye Protection: Goggles or face shield

Skin Protection: Plastic apron sleeves, boots, if handling large quantities

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless Liquid	Oxidising Properties:	N/A
pH:	~13-14	Vapour Pressure:	N/A
Boiling Point:	N/A	Specific Gravity:	1.15-1.25
Melting Point:	N/A	Solubility in Water:	Soluble
Flash Point:	N/A	Odour:	Slight
Flammability:	Non-flammable	Partition Co-efficient:	N/A
Evaporation Rate:	N/A	Shelf Life:	12-24 months
Explosive Properties:	N/A	Viscosity:	N/A
Other information:	N/A		

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Extremes of temperature
Materials to Avoid:	Acids, Oxidising agents. Chlorinated hydrocarbons. Evolves hydrogen in contact with brass, aluminium and zinc
Hazardous Decomposition Products:	Irritant and corrosive fumes
Stability:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components:

Inhalation:	Irritation to respiratory tract
Ingestion:	Causes severe irritation and burns to mouth, throat and digestive tract
Skin Contact:	Causes severe burns and irritation. Caustic burns are slow to heal.
Eye Contact:	Severe irritation and may cause irreversible damage to eye tissue if not promptly removed.

12. ECOLOGICAL INFORMATION

Mobility:	Mobile Liquid. Fully soluble in water.
Persistence and Degradability:	Can cause long term adverse effects for the aquatic environment.
Bioaccumulative Potential:	Not expected to bio-accumulate
Ecotoxicity:	Highly toxic to aquatic organisms due to high pH.
Results of PBT Assessment:	N/A
Other Adverse Affects:	N/A

13. DISPOSAL CONSIDERATIONS


Product:	Dispose of in accordance with local and national regulations. The waste category of this product may be affected by the conditions of use. Please refer to Directive 2001/118/EC for waste nomenclature. Do not dispose to sewer without a suitable consent to discharge.
Contaminated Packaging:	Dispose of in accordance with local and national regulations

14. TRANSPORT INFORMATION

UN No:	1824	UN Hazard Class:	8
Packing Group:	II	Other information:	N/A
Proper Shipping Name:	Sodium hydroxide solution		

15. REGULATORY INFORMATION

A chemical safety assessment has not yet been received.

EU Directives:	Dangerous Substances Directive 67/548/EEC Regulation (EC) No 1907/2006 REACH Regulation (EC) No 1272/2008 CLP	
Signal Word:	Danger	
Hazard Statements:	H314 – Causes severe skin burns and eye damage.	Hazard Pictograms: GHS05
Precautionary Statements:	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 - Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 - Store locked up. P501 – Dispose of in accordance with local and national regulations	

16. OTHER INFORMATION

REVISION Supersedes Issue 02

The above information is based on current knowledge at the time of publication and is given in good faith. Clearwater Technology Ltd implies no warranty as to the suitability of the product for any purpose other than outlined on the Product Data Sheet.

The information contained in this MSDS does not constitute an assessment of workplace risks. The customer should undertake a formal C.O.S.H.H. assessment which should ensure that employees are aware of the hazards/precautions detailed in this MSDS. The C.O.S.H.H. assessment should also ensure that recommended safety equipment is available and, where applicable, that the exposure limits detailed in Section 8 are not being exceeded.