

SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME:

STEAMCARE B10

APPLICATION:

Catalysed oxygen scavenger for closed systems..

SUPPLIER:

CLEARWATER TECHNOLOGY LIMITED

EMERGENCY TEL. No.:

Hanbury Road, Bromsgrove, Worcestershire, B60 4AD

EMAIL:

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

lab@clearwater.eu.com

2. HAZARDS IDENTIFICATION

Harmful – Harmful if swallowed. Risk of serious damage to eyes. Contact with acids liberates toxic gas.

3. COMPOSITION: An aqueous solution of catalysed sodium metabisulphite.

HAZARDOUS INGREDIENT(S)	CLASSIF'N	CAS	EINECS	CONCENTRATION
Sodium Metabisulphite	Xn;R22 – R31 Xi;R36/37	7681-57-4	231-673-0	>25.0%<50.0%
Cobalt Sulphate	T;R22, R42/43 R49	10124-43-3	233-334-2	<0.01%

4. FIRST AID MEASURES

Eye contact: Irrigate immediately with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
Inhalation: Remove from exposure, rest and keep warm. If recovery not rapid, OBTAIN IMMEDIATE MEDICAL ATTENTION.
Skin contact: Immediately wash skin thoroughly with water, remove contaminated clothing and wash before re-use. Obtain medical attention if irritation persists.
Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. Do Not induce vomiting. OBTAIN 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: May emit toxic fumes of sulphur dioxide.
Special Protective Equipment: Wear suitable protective clothing and self contained breathing apparatus.

6. ACCIDENTAL RELEASE

Wear suitable protective clothing including rubber boots. Do not discharge to drains or water courses. Absorb with an inert absorbent material and transfer to a suitable container for disposal. Rinse area with large excess of water. Ensure adequate ventilation at all times.

7. HANDLING AND STORAGE

Handling: Handle and open containers with care. Avoid skin and eye contact. Ensure adequate ventilation.
Storage: Store away from excessive heat and frost and keep away from acids and alkalis. Store only in original containers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation.
Occupational Exposure Limit: Long term OES: 5 mg.m⁻³ Disodium disulphite
Respiratory Protective Equipment: Wear respiratory protective if OES is likely to be exceeded.
Hand Protection: PVC or rubber gloves.
Eye Protection: Wear safety goggles.
Skin Protection: Suitable protective clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale pink liquid.	Oxidising Properties:	N/A
pH:	4.0 – 5.0	Vapour Pressure:	N/A
Boiling Point:	~100	Specific Gravity:	~1.28
Melting Point:	N/A	Solubility in Water:	Soluble in all proportions
Flash Point:	N/A	Solubility in	
Flammability:	Non-flammable	Organic Solvents:	N/A
Autoflammability:	N/A	Partition Co-efficient:	N/A
Explosive Properties:	N/A	Shelf Life:	12 months
		Other Data:	N/A

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Heating can release hazardous gases..
Materials to Avoid:	Acids, oxidising agents.
Hazardous Decomposition Products:	Oxides of sulphur..
Stability:	Stable under normal conditions. May crystallise below 10°C.

11. TOXICOLOGICAL INFORMATION

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

Inhalation:	Irritating to respiratory system. May cause allergic reactions.
Ingestion:	Harmful if swallowed. Irritating to gastrointestinal tract.
Skin Contact:	May cause irritation.
Eye Contact:	Severe irritation. Risk of serious damage to eyes.
Chronic Effects:	None known.

12. ECOLOGICAL INFORMATION

Mobility:	Mobile liquid. Fully soluble in water
Persistence and Degradability:	Degrades to form sulphates..
Bioaccumulative Potential:	Not known.
Exotoxicity:	Will deplete oxygen levels in watercourses. Cobalt does not present a serious ecological hazard at low concentrations. However, cobalt is concentrated by animal and aquatic organisms. Low concentrations of cobalt (up to 30ppm) may have adverse effects on activated sludge systems.

13. DISPOSAL CONSIDERATIONS

Product:	Dispose of in accordance with local and national regulations Classified as special waste.
Contaminated Packaging:	Dispose of in accordance with local and national regulations

14. TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

UN No:	N/A
UN Class:	N/A
Packing Group:	N/A
Proper Shipping Name:	N/A

15. REGULATORY INFORMATION

Hazard Symbol:	Xn Harmful
Contains:	Sodium Metabisulphite
Risk Phrases:	R22, 31, 41
Safety Phrases:	S24/25, 26, 36/37/39, 45

16. OTHER INFORMATION

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.