



SystemWash UK Ltd
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PRODUCT INFORMATION SHEET

Re-circulation Biocide

All chemical substances are potentially hazardous and the user should be fully aware of likely hazards and be instructed in the proper use of this product. Read this and the entire label before using product.

PRODUCT INFORMATION

A highly concentrated biocide, which combines effective wetting agents with the ability to kill most bacteria, mould and algae. Designed to be added to recirculating water systems in order to keep them free from bacterial contamination. Reduces odour and bacterial corrosion effects.

At a dilution of up to 300:1 the above will effectively kill the following bacteria:-

Salmonella Dublin	Kled aerogenes
Pseudomonas fluorescens	Emterobacter cloacae
Pseudomonas aeruginosa	Seerratia marcescens
E coli	Porteus mirabilis
Ps putide	
Plus most other commonly found bacteria, yeasts, algae and fungus.	

METHOD OF USE

System Treatment:

As a biocide : Administer through dosing system 1 part concentrate and up to 300 parts water to produce a solution rated at above a QAP 30. Therefore a dilution of this solution at 30:1 will still kill most bacteria.

KEEP OUT OF THE REACH OF CHILDREN

IN CASE OF EMERGENCY CONTACT 0845 2302240

SystemWash UK Ltd

PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Supplier: SYSTEMWASH UK LTD
The Showrooms, Boothferry Road, Howden, East Riding of Yorkshire, DN14 7DZ
Tel: 0845 2302240 Fax: 0845 2302250

Product Name: Recirculation Biocide
Product Type: Disinfectant/Algecide

2. Composition/Information on Ingredients.

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Quaternary Ammonium Compounds		C	R34	20-30%
Non-Ionic Surfactant		Xi	R36/R38	5-10%
Sequestrant		Xi	R36/38	1-5%

3. Hazards Identification.

Classified as Corrosive under CHIP regulations.

4. First Aid Measures.

Eye Contact: Flush with plenty of clean water for at least 15 minutes. Obtain medical attention.
Skin Contact: Wash off with water. The application of skin reconditioning(emollient) cream, can be beneficial.
Inhalation: Remove to fresh air, if symptoms persist, seek medical advice.
Ingestion: Milk or water to drink may be beneficial. Do not induce vomiting without medical advice.

5. Fire Fighting Measures:

Flammability: Not classed as flammable. If involved in a fire, corrosive/toxic fumes can be released.
Extinguishing Media: Foam, Dry Powder, Co2, Halon, fine water spray suitable.
Protective Equipment: Standard protective equipment.

6. Accidental Release Measures.

Small spills may be washed away with water, avoid splashing. Large spills should be contained by sand or earth or soaked in absorbent. Collect solids in a container.

7. Handling and Storage.

Storage Precautions: Store between 0-35°C. Keep in tightly closed containers. Protect from frost.
Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

8. Exposure Controls/Personal Protection.

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided. Avoid breathing fumes or vapours.
Eyes: Chemical eye goggles should be worn.
Hand: PVC or rubber gloves are recommended.
Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

9. Physical and Chemical Properties.

Appearance	Clear Fluid	Specific Gravity @ 20°C	1.018 typical
Odour	Bland	pH Neat	11.00 typical
pH @ 5% in tap water	10.00 typical	Boiling Point	100°C
Freezing Point	0°C	Vapour Pressure	Water=18mm Hg
Water Solubility	Totally soluble		

10. Stability and Reactivity.

Stability: Stable under normal conditions.
Hazardous Decomposition: Combustion can produce a variety of compounds including oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic and corrosive.
Conditions to Avoid: Naked flames, hot surfaces, other high temperature sources. Also strong oxidising agents.

11. Toxicological Information.

Eyes: May give rise to irritation and stinging. No permanent damage if treated immediately.
Skin: May give rise to burns and irritation. Prolonged and persistent contact could lead to dermatitis through skin defatting.
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists and vapours caused by atomising systems may cause irritation to eyes and respiratory tract.
Ingestion: Ingestion of large quantities could cause nausea, breathing difficulties, convulsions and collapse. Small quantities ingested will cause strong irritation of mouth, upper respiratory tract and digestive system.

12. Ecological Information.

Water based alkaline material. If bulk material disposal is not neutralised, toxic effects for fish and bacterium may start above pH 10, increasing with higher pH.

13. Disposal Recommendations.

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.
Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations.
Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Classified as Corrosive	Class:8	Packing Group:III	UN No:1760
Proper Shipping Name: Corrosive Liquid, Nos	ADR Item No: 66 ^o (c)	HI No: 80	
IMDG Page: 8147	EMS No: 8-15	MFAG No: 760	

15. Regulatory Information.

Label for Supply:	Corrosive.	
Risk Phrases:	R34	Causes Burns
Safety Phrases:	S2:	Keep out of reach of children.
	S24/25:	Avoid contact with eyes and skin.
	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 label where possible).

16. Other Information.

Do not mix with other chemicals.
The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations, Directive 93/112/EC.
This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.