

Safety Data Sheet(17th April 2012)

(version 1)

Product Identification

Trade Name: Steriliser and Mould Killer.
Description: Ready to use steriliser solution to control mould.

Hazardous Ingredients

Component	CAS Number	Classification	Conc.
di-n-decyl dimethylammonium chloride	7173-51-5	C,Xn; R22-34	0.5-2.0%
propanol-2-ol	67-63-0	Xi, F; R11-36-67	0.5-1.0%
Ingredients according to Directive 648/2004/EC: Cationic surfactants			1.0-3.0%

Hazard Identification

Hazard: None according to EU directive 1999/45/EC.

Emergency and First Aid

After Eye Contact: Rinse eyes thoroughly with plenty of water for at least 10 minutes while holding eyelids open. If symptoms persist, consult a physician.

After Skin Contact: Prolonged contact may cause skin irritation. Wash immediately with plenty of water and soap and rinse thoroughly. If skin irritation occurs, get medical advice.

After Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help. Do not give anything by mouth to an unconscious person.

After Inhalation: Supply fresh air; consult doctor in case of symptoms.

Exposure Control/Personal Protection

Exposure Controls: There are no occupational exposure limit values available.

Engineering measures: Ensure adequate ventilation of the working area.

Personal Protection: Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before breaks and after work. Wear protective equipment appropriate to the task.

Skin Protection: Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken).

Eye Protection: Recommended safety goggles.

Respiratory Protection: Respirator if ventilation is judged to be insufficient.

Other Protection: Protective overalls.

Accidental Release Measures

Clean Up Methods: Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label containers and dispose of as described.

Environmental Precautions: Prevent the material from entering drains or watercourses. If this occurs, inform relevant water authority if spillage has entered water course or sewer or has contaminated soil or vegetation.

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(version 1)

Handling and Storage

Handling:	Handle in accordance with good hygiene and safety practice.
Storage:	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.

Toxicological Information**Acute Toxicity: LD/LC₅₀ values that are relevant to the classification:****7173-51-5 di-n-decyl dimethylammonium chloride**

Oral	LD ₅₀ 330mg/kg (rat)
Dermal	LD ₅₀ 1330mg/kg (rat)

67-63-0 propan-2-ol

Oral	LD ₅₀ 4570mg/kg (rat)
Dermal	LD ₅₀ 13400 mg/kg (rab)
Inhalation	LC ₅₀ / 4h 30mg/l (rat)

Primary Irritant Effect:

Skin:	Irritant for skin and mucous membranes.
Eyes:	Irritant effect.
Sensitisation:	No sensitising effect known.

Ecological Information**Aquatic Toxicity:****7173-51-5 di-n-decyl dimethylammonium chloride**

EC ₅₀ / 48 h	0.03mg/l (Daphnia)
EC ₅₀ / 48 h	0.06mg/l (Selenastrum capricornutum)
LC ₅₀ / 48 h	0.5mg/l (Brachydanio rerio)

67-63-0 propan-2-ol

EC ₅₀ / 48 h	13299 mg/l (Daphnia)
EC ₅₀ / 72 h	>1000mg/l (Scenedesmus subspicatus)
IC ₅₀ / 17 h	5175 mg/l (Pseudomonas putida)
IC ₅₀ / 72 h	>100mg/l (Algae)
	>100mg/l (bacteria)
LC ₅₀ / 48 h	8970 mg/l (Leuciscus idus m.)
LC ₅₀ / 96 h	> 100 mg/l (Fish)

Degradability: The DDAQ ingredient is readily biodegradable to Eu guidelines.**Stability and Reactivity**

Stability:	Stable under normal conditions.
Conditions to Avoid:	Avoid strong heat.
Material to Avoid:	Water reactive substances.
Hazardous Reactions:	No dangerous reactions known.
Hazardous Decomposition Products:	None, if storage and handling is done according to specification.

Transport Information

UK Transport Information:	UK Transport Classification: Not classified.
UN No.:	N/R.

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Waste Disposal

Advice on Disposal:	In accordance with national and local authority regulations, e.g. non hazardous waste or incineration.
Contaminated Packaging:	Treat empty containers in the same way as the product or if possible wash thoroughly and recycle.

Physical and Chemical Properties:

Appearance:	Clear mobile liquid.
Colour:	Clear liquid.
Odour:	Odourless.
pH:	Neutral.
Boiling Point:	From 100°C.
Flash Point:	> 60°C.
Water Solubility:	Fully miscible.

Fire Fighting Measures

General Hazard:	Foam, carbon dioxide, dry powder, water spray
Extinguishing Media:	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder).
Unsuitable Extinguishing Media:	All extinguishing media can be used.
Special Exposure Hazards:	The thermal decomposition products released should be considered toxic if inhaled.
Protective Equipment:	Wear approved self contained breathing apparatus and full protective clothing.

Regulatory Information

Labelling according to EU directive 1999/45/EC.	
Symbol:	Not subject to labelling.
Safety Phrase:	S26, S28, S37/39.
Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment.	
Identity of biocidal active substances according to EC directive 98/8/EC.	
di-n-decyl dimethylammonium chloride.	

Disclaimer

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