

SAFETY DATA SHEET



Product Name: AlgoClear

Version No: 1 **Revision Date:** **First Issue Date:** June 2013

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

Product AlgoClear
Use(s) Surface biocide and wood preservative for external surfaces
Distributor Thames Valley Specialist Products
PO Box 1945
Maidenhead SL6 2XR
Telephone: +44 1628 687 022
Emergency Telephone:

2. HAZARDS IDENTIFICATION

Physical & Chemical: NON HAZARDOUS
Health: HARMFUL IF SWALLOWED. CAUSES BURNS
Environmental: VERY TOXIC TO AQUATIC ORGANISMS.



**DANGEROUS
FOR THE
ENVIRONMENT**



CORROSIVE

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Substances</u> <u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
DIDECYLDIMETHYLAMMONIUM CHLORIDE	7173-51-5	230-525-2	Xn: R22 C: R34	Approx.10%

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 a once with soap and plenty of water; if necessary seek medical advice

Eye contact Wash eyes 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

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. water spray, foam, or chemical powder)
Extinguishing media not to be used	None known
Special exposure hazards	The thermal decomposition products released (oxides of nitrogen and carbon) should be considered toxic if inhaled.
Protective equipment	Wear self-contained breathing apparatus. Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closed plastic containers.
Environmental considerations	Do not allow liquid to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
Further information	Spillage will cause a slippery floor.

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.. Keep in original containers which should be tightly closed, cool and dry.
Storage conditions	Ensure adequate ventilation of the storage area. Storage temperature should be 10 -40°C.
Further information	Keep away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no workplace exposure limit values available. Comply with good practice for the control of exposure. .
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Avoid contact with skin and eyes Wash thoroughly after handling (shower if necessary) Do not eat, drink or smoke in the working area Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (e.g. EN 166)
Skin protection	Plastic or rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator if ventilation is judged to be insufficient.
Other protection	Protective overalls or aprons

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Colourless to yellowish
Odour	Aromatic
pH	6.5-8 (10 g/l @ 20°C)
Boiling pt / range	approx 100 °C
Freezing pt / range	Not determined °C
Flash point	> 100 °C
Specific gravity	0.954 g/cm ³ (@ 20°C)
Water solubility	Miscible in all proportions
Viscosity	73 mPa.s @ 23°C (dynamic)

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	Not determined
Conditions to avoid	None known
Material to avoid	The product is incompatible with acids and alkalies
Hazardous reactions	Hazardous polymerisation will not occur.
Hazardous decomposition products	Oxides of carbon and nitrogen following thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral) 238 mg/kg	Data for didecyldimethylammonium chloride
	LD ₅₀ rat (derm) > 2000 mg/kg	
Dermal compatibility	Corrosive (4hours, OECD 404) (didecyldimethylammonium chloride)	
Mucous membrane compatibility	Causes burns (didecyldimethylammonium chloride)	
Further information	The product is not sensitising (Buehler test) and negative in Ames test (OECD 471)	

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ Fish (rainbow trout) 1.0 mg/l	96 h (OECD 203) data for
	EC ₅₀ Daphnia magna 0.094 mg/l	48 h (EPA-FIFRA) didecyldimethylammonium
	EC ₅₀ Algae 0.026 mg/l	96 h (OECD 201) chloride
Degradability	Readily degradable (72% - Sturm test) (didecyldimethylammonium chloride)	
Further information	Since bats are a protected species under the Wildlife and Countryside Act 1981, consult English Nature, The Scottish Natural Heritage or The Countryside Council for Wales if structure to be treated is used by bats.	

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations.
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 1760
Packaging group III
IMDG code 8/1760/III
RID / ADR 8/III
ICAO / IATA 8 /1760/III
Marine pollutant The product should not be marked as a marine pollutant
Proper shipping name CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)

15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3.2) and the Dangerous Preparations Directive (1999/45/EC)
Contains didecyldimethylammonium chloride



CORROSIVE

Risk phrases R22 HARMFUL IF SWALLOWED
R34 CAUSES BURNS
R50 VERY TOXIC TO AQUATIC ORGANISMS.

Safety phrases S25 AVOID CONTACT WITH EYES.
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.
S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

Relevant legislation

16. OTHER INFORMATION

Further information

Risk phrases given in section 3

R22: Harmful if swallowed
R34: Causes burns

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Sources of data The Approved Supply List, other suppliers' safety data sheets, EH40/2005

Date of issue June 2013

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