

RIGBY TAYLOR LTD.

PRODUCT SAFETY DATA SHEET: ALGOLITE.

1. PRODUCT IDENTIFICATION

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Product Name: ALGOLITE HSE 9118

Use/Description of Product: Surface biocide and wood preservative.

2. HAZARDOUS INGREDIENTS:

Component	Concentration	Classification	CAS No
Di-n-decyl dimethylammonium chloride	2.5 -10%	C, Xn; R22-34	7173-51-5
Propanol-2-ol	2.5 - 5%	Xi, F; R11-36-67	67-63-0
Ingredients according to Directive 648/2004/EC:			
Cationic surfactants	5.0 - 15%		

3. HAZARD IDENTIFICATION

Hazard designation: Xi; Irritant.

Health: The product is classified as irritating to eyes and skin.

Environmental: R36/38 Irritating to eyes and skin.

4. FIRST AID MEASURES:

GENERAL INFORMATION

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

Skin Contact: remove contaminated clothing immediately. Wash immediately with plenty of water and soap and rinse thoroughly. If skin irritation occurs, get medical advice.

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

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.

PRODUCT SAFETY DATA SHEET: ALGOLITE

5. FIRE FIGHTING MEASURES:

General Hazard: THE PRODUCT IS NOT FLAMMABLE.

Extinguishing Media: To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder).

Extinguishing Media not to be used: All extinguishing media can be used.

Special Exposure Hazards: The thermal decomposition products released should be considered toxic if inhaled.

Protection Equipment: Wear approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

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

Environmental Considerations: 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.

Further information: -

7. HANDLING & STORAGE:

Advice on Safe Handling: Handle in accordance with good hygiene and safety practice.

Storage Conditions: Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.

Further Information: -

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

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

Engineering Controls: Ensure adequate ventilation of 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 (see below).

Eye Protection: Safety goggles (e.g. EN 166).

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

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

Other Protection: Protective overalls.

PRODUCT SAFETY DATA SHEET: ALGOLITE

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical Form: Clear mobile liquid.

Colour: Clear liquid.

Odour: Odourless.

pH: Neutral.

Boiling Point Range: From 100 °C

Melting Point Range: -

Flash Point: >60 °C

Autoflammability: Not self-igniting.

Density: -

Viscosity: -

Water Solubility: Fully miscible.

10. STABILITY AND REACTIVITY:

Stability: Stable under normal conditions of handling.

Conditions to Avoid: Avoid strong heat.

Materials to Avoid: Water reactive substances.

Hazardous Decompositions Products: None, if storage and handling is done according to specification.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity: LD/LC₅₀ values that are relevant to the classification:

7173-51-5 di-n-decyl dimethylammonium chloride

Oral: LD₅₀ 330mg/kg (rat)

Dermal: LD₅₀ 1330mg/kg (rat)

67-63-0 Propan-2-ol

Oral: LD₅₀ 4570mg/kg (rat)

Dermal: LD₅₀ 13400mg/kg (rat)

Inhalation: LC₅₀ 4 h 30mg/l (rat)

Primary Irritant Effect:

On the skin: Irritant for skin and mucous membranes.

On the eye: Irritant effect.

Sensitization: No sensitizing effect known.

PRODUCT SAFETY DATA SHEET: ALGOLITE

12. ECOLOGICAL INFORMATION:

Ecotoxicological Effects:

Aquatic Toxicity:

7173-51-5 di-n-decyl dimethylammonium chloride

EC₅₀ / 48 h 0.03 mg/l (Daphnia)

EC₅₀ / 48 h 0.06 mg/l (Selenastrum capricornutum)

LC₅₀ / 48 h 0.5 mg/l (Brachydanio rerio)

67-63-0 Propan-2-ol

EC₅₀ / 48 h 13299 mg/l (Daphnia)

EC₅₀ / 72 h >1000 mg/l (Scenedesmus subspicatus)

IC₅₀ / 17 h 5175 mg/l (Pseudomonas putida)

IC₅₀ / 72 h >100 mg/l (Algae)

>100 mg/l (Bacteria)

LC₅₀ / 48 h 8970 mg/l (Leuciscus idus m.)

LC₅₀ / 96 h >100 mg/l (Fish)

Degradability: The DDAQ ingredient is readily biodegradable to EU guidelines.

13. DISPOSAL CONSIDERATIONS:

Advice on Disposal: In accordance with national and local authority regulations, e.g. hazardous waste or incineration.

Contaminated Packaging: Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION:

UK Transport Information: UK Transport Classification: Not classified.

UN Number: N/R

IMDG Code: Not classified.

RID / ADR: Not classified.

IATA: Not Classified.

PRODUCT SAFETY DATA SHEET: ALGOLITE

15. REGULATORY INFORMATION

Classification & Labelling: This product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP3.1]
Contains di-n-decyl dimethylammonium chloride
Xi; IRRITANT

Risk Phrases: R36/38: IRRITATING TO EYES AND SKIN.

Safety Phrases: 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

S60: THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE.

Identity of Biocidal Active Substances According to EC Directive 98/8/EC

di-n-decyl dimethylammonium chloride.

HSE Number: 9118

16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties and does not establish a legally valid contractual relationship.

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