

# Di-Ard Safety Data Sheet

For use only by professional operators

The (C.O.S.H.H.) Control of Substances Hazardous to Health Regulations 1994 may apply to the use of this product at work.

## 1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name : Di-Ard

Description : Water based concentrated

Colour : yellow

Distributed and marketed in the United Kingdom by : PlantSyence Ltd, Keepers Cottage, Brind, Howden, DN14 7LA.

Applications

Surface biocide and wood preservative for use against algae, mosses, lichen and wood rotting fungi on external surfaces such as roofs, driveways, fences and around buildings.

Restriction of use

For use only as a surface biocide and wood preservative. For outdoor use only

Application rate

Apply at a rate of 1 litre of 5% to 7% solution per 5 square metres of surface area

Application method Brush and spray

Chemical characterisation

Surface biocide : Dialkyldimethyl ammonium chloride 9.2%w/w (92 g/l)

CAS number : 7173 - 51 - 5

EINECS No.: 269 - 919 - 4

Hazard Symbol : Irritant (St Andrew's cross) (R 22 - 34 - 50)

## 2. Composition/information on ingredients

Chemical characterisation

Surface biocide : Dialkyldimethyl ammonium chloride 9.2%w/w (92 g/l)

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## 3. Hazards identification

Irritating to eyes and skin

## 4. First Aid measures

Wash splashes from skin or eyes immediately

Eye contact : Irrigate thoroughly with water for at least 15 minutes.

Consult an Ophthalmologist.

Skin contact: Wash the skin thoroughly with soapy water. Remove contaminated clothing and wash before re-use. Obtain medical attention if an irritation appears or persists.

Ingestion: Drink plenty of water. Do not induce vomiting. Seek medical advice to determine if vomiting or stomach draining is needed. If vomiting occurs, keep giving drinking water

## 5. Fire-fighting measures

Special risks:

Nitrogen oxide, carbon monoxide or dioxide may form.

Suitable extinguishing media:

Not applicable

## 6. Accidental release measures

Will cause slippery floor.

Wear gloves and protective goggles.

Avoid disposal through the sewage system. Mop up and dispose using plastic containers.

## 7. Handling and storage

Store at room temperature (10 to 40C recommended). Avoid contamination with acids or alkalis.

Keep in original containers, tightly closed, in a safe place.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/personal protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

Wear suitable protective clothing (coveralls), synthetic rubber/pvc gloves and eye protection when using.

Avoid excessive contamination of coveralls and launder regularly.

Do not breathe spray mist. Otherwise wear respiratory equipment and eye protection (see HSE Guidance Booklet HS (G) 53: "Respiratory Protective equipment - a practical guide for users"). However, engineering control may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Do not contaminate foodstuff, eating utensils or food contact surfaces.

Cover water storage tanks before application.

When using do not eat, drink or smoke.

Keep away from treated surfaces until dry.

Wash hands and exposed skin before meals and after use.

## 9. Physical and chemical properties

Form : liquid Flash point Not applicable

Colour: Yellow

Flammability: Not flammable

Odour : pine Density (g/ml) 1.0

pH value 7 app. Solubility in water Miscible in all proportions

## 10. Stability and reactivity

Stable

Substances to be avoided : Acids & alkalis.

Hazardous decomposition products : In case of thermal decomposition, possible production of nitrogen oxide, carbon monoxide and dioxide.

## 11. Toxicological information

Toxicity : LD50 : between 7400 and 74000 mg/kg.

## 12. Ecological information

Prevent any surface run-off from entering drains.

Dangerous to fish and other aquatic life.

Do not contaminate watercourses.

Avoid all contact with plant life.

All bats are protected under the wildlife and countryside act 1981. Before treating any structure used by bats, consult English Nature, Scottish Natural Heritage or the Countryside Council For Wales.

Over 90% of 10 ppt quaternary ammonium is biologically degraded within two days.

## 13. Disposal considerations

This material and its container must be disposed of in a safe way.

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

Rinse out empty containers thoroughly before returning for recycling.

## 14. Transport information

Not subject to the Dangerous Substances regulation.

## 15. Regulatory information

Symbol : Irritant

Risk phase : Irritating to eyes and skin

Safety phrase : S 2 -24/25 - 26

S2 : Keep away from children

S24/25 : Avoid contact with skin and eyes

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

16. Other information

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