



# HEALTH AND SAFETY DATA

## Fungicidal Wash with Algaecide

RJ11.01

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### Product Name:

Fungicidal Wash with Algaecide

### Applications:

Surface Biocide & Mould Remover

### Hazards Identification:

Classification: (EC 1272/2008)

Signal Word: WARNING

Skin Corrosion Categories: Serious eye damage category 1

Hazard Statements: H315 Causes Skin irritation.  
H319 Causes serious eye irritation

Precautionary Statements: P264: Wash hands & skin thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301: IF SWALLOWED: Rinse mouth. Do Not INDUCE VOMITING  
P302: IF ON SKIN (or hair) wash with plenty of soap & water.  
P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337: If skin & eye irritation persists get medical advice/treatment.  
P310: Immediately call a doctor / physician  
P362: Take off contaminated clothing & wash before reuse.



## Composition:

**Mixtures:** Dilute solution of Benzalkonium Chloride in water

**Name:** Benzyl-(C8-C18)-alkyl dimethyl chloride

**CAS No:** 63449-41-2

**EC No:** 264-151-6

**Concentration:** < 10.0% w/w

**Classification:** Skin Corr. 1B –H302; H312; H314; H400

## First Aid Measures:

**Eye Contact:** Remove contact lenses and irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek immediate medical attention & remove any particles with a cotton wool bud.

**Inhalation:** Remove to fresh air and seek immediate medical assistance if irritation persists.

**Skin Contact:** Wash off skin immediately with water. Remove contaminated clothing and launder before reuse. Where irritation to skin is persistent seek prompt medical attention.

**Ingestion:** Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show data sheet.



## Acute & Chronic Symptons:

- Inhalation:** May cause some irritation to respiratory system if spray mist is inhaled. Symptoms: Cough & risk of sore throat.
- Skin Contact:** Irritating to skin. Symptoms: Redness, swelling of tissue.
- Eye Contact:** Causes severe irritation. Small amounts splashed into eyes can cause redness, lachrymation & swelling of tissue.
- Ingestion:** Irritation of the mouth and throat, as well as the stomach. Symptoms: Nausea, abdominal pain, vomiting, diarrhoea & cough.
- Immidiata Medical Attention:** Speed is essential. Always obtain immediate medical attention where symptoms persist.

## Fire Fighting Measures:

- Extinguishing Media:** This product is not flammable
- Combustion Hazards:** Polypropylene bottle may release noxious fumes (CO/CO<sub>2</sub>) under combustion. Steam liberated on contact with water may produce irritating fumes.
- Advice for Firefighters:** Fire fighters should wear full protective clothing with support of chemical shower facilities for immediate wash down after contact.

## Accidental Release Measures:

- Personal Protection:** Wear impermeable PVC overalls, aprons, rubber boots and supply respiratory protective equipment when there is a risk of irritating vapours due to high temperatures.
- Environmental Precautions:** Contain bund and absorb to prevent product entering any nearby watercourse. Soak up into a sealable container and then wash away fine residues with excess volumes of water ensuring complete and effective dilution.
- Spill Removal Methods:** As above then wash minor surface residues with water into general drains. Mark containers of absorbed product for disposal as special waste.
- References to other sections:** See section 10 for disposal & Section 8 for exposure control



## Handling & Storage:

- Safe handling precautions:** Use in well ventilated areas. Avoid handling dust or granules. Always avoid contact with skin & eyes and ensure nearby provision of shower and eye wash equipment in the event of accidental contact.
- (a) Safe storage conditions:** Store in well-sealed, clearly marked containers. Keep out of reach of children in a cool, dry & well-ventilated environment preferably within a lockable metal cabinet. Avoid storage outdoors or where there is a risk of contact with moisture or excessive humidity.
- (b) Incompatible materials:** Use only in accordance with instructions shown on the container and do not transfer contents to secondary containers. Avoid direct contact with strong acids.

## Exposure Controls & Personal Protection:

- 8 Hour Exposure Limit:** N/A
- 15-minute Exposure Limit:** N/A
- Engineering Controls:** The application of the diluted ready to use product as a spray may necessitate measures to ensure ambient conditions (wind, rain etc) do not encourage the spread of product to areas not intended for treatment.
- Respiratory Protection:** May only be required during application where a spray treatment is the chosen method and a risk of spray mist will necessitate respiratory protection such as a half-face vapour protection with goggles as directed below.
- Hand Protection:** Hand protection is advised by wearing rubber or nitrile gloves or gauntlets. Domestic marigold gloves are usually sufficient for domestic scale applications
- Eye Protection:** Chemical goggles to BS 2092 Goggles should be worn for applications where a spray mist may be formed to help prevent accidental face/eye contact.
- Skin Protection:** Protective and preferably impermeable overalls should be worn, however if the fabric becomes contaminated these should be laundered immediately. Impermeable Wellington boots are also advised when spraying floor surfaces.



## Physical & Chemical Properties:

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Appearance:	Clear liquid
Relative Density:	1.02 kg/litre
Odour:	Like marzipan
Water Solubility:	100%
Odour Threshold:	low
Solubility in Oils:	n/a
pH:	6.0-7.5
Partition coefficient KOW:	n/d
Flash Point:	n/a
Autoignition temperature:	n/a
Melting Point:	n/a
Decomposition temperature:	>350°C
Boiling Point:	>100°C
Evaporation Rate:	Same as water
Viscosity:	Water thin
Upper/Lower Flam Limits:	n/a
Explosive Properties:	n/a
Vapour Pressure:	Same as water
Oxidising Properties:	n/a
Vapour Density:	as above
particle Size:	n/a



## Stability & Reactivity:

Conditions to avoid:	Application by spray on a windy day
Reactivity:	Stable under normal use
Incompatible Materials:	Anionic surfactants
Chemical Reactivity:	None specific
Decomposition Hazards:	none
Risk of Hazardous Reaction:	none

## Toxicological Information:

**Information on Toxicological Effects:** This product has not been tested. Judgments on the expected toxicity of this product have been made based upon consideration of its' major components.

Routes of Exposure:	Skin & eyes
Skin Corrosivity/Irritation:	Severe eye irritation
Eye Damage/Irritation:	Rapid eye irritation
Skin Sensitisation:	Not known
Reproductive Toxicity:	n/a
Germ Cell Mutagenicity:	n/a
STOT single Exposure:	n/a
Carcinogenicity:	n/a
SOT Repeat Exposure:	n/a
STOT repeat exposure:	Eye Damage
Aspiration hazard:	n/a



### Ecological Information:

Ecotoxicity: LC50 (96hr) 1.7mg/l rainbow trout

Bio-accumulative potential: Negligible

Persistence & degradability: Readily Biodegradable

Mobility in soil: Water soluble so highly mobile

PBT and vPvB result: Nil

### Ecological Information:

Waste treatment methods: Waste product to be treated as controlled waste in accordance with local authority regulations. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.

### Transport Information:

Regulatory Code (Land, Sea & Air): ADR IMDG ICAO

UN No: 1760

U Proper Shipping name: CORROSIVE LIQUID, NOS, QUATERNARY AMMONIUM COMPOUNDS

ADR packing Group: III

Transport Hazard Class: 8

Environmental Hazards: I Marine pollutant

Special user precautions:

Transport in bulk - IBC Code: 80



## **Regulatory Information:**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

### **UK Regulatory References:**

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice Classification and Labelling of Substances and Preparations. Dangerous for Supply.

### **Guidance Notes**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

### **EU Legislation**

Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### **National Regulations:**

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.





## Regulatory Information:

### Authorizations (Title VII Regulation 1907/2006)

No specific authorizations are noted for this product

### Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

### Chemical safety assessment

A chemical safety assessment has not been carried out for this product

## Other Information:

Last revision date: May 2018

SDS No: RJ 11.01

### List of abbreviations used in this SDS:

CAS: Chemical abstracts service

CLP: Classification, labeling & packaging regulation (EC) No. 1272/2008

DSD: Dangerous substances Directive 67/548/EEC

DPD: Dangerous Products Directive 1999/45/EC

PBT: Persistent, Bio-accumulative & Toxic

REACH: Registration, Evaluation, Authorization & Restriction of Chemicals Regulation (EC) 1907/2006

vPvB: Very Persistent, very Bio-accumulative

References: Annex VI



#### Classification Methods:

#### H Phrases in section 3:

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns & eye damage

H315: Causes Skin irritation.

H319: ces serious eye irritation

H400 Very toxic to aquatic organisms

#### Training for workers:

Employees should receive appropriate training in all aspects of the safe handling and control of this product for use at work

#### Disclaimer:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physicochemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.