

SAFETY DATA SHEET BARTOLINE - Fungicidal Wash

According to Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name BARTOLINE - Fungicidal Wash

REACH registration notesNot applicable as this mixture is a registered biocide and is therefore exempt according to

REACH

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses FOR USE ONLY AS A SURFACE BIOCIDE FOR AMATEUR USE AGAINST MOULD,

ALGAE, LICHEN AND MILDEW ON INTERNAL AND EXTERNAL HARD SURFACES.

Uses advised againstNot to be used for any other purpose than stated above.

1.3. Details of the supplier of the safety data sheet

Supplier Bartoline Limited

Barmston Close Beverley East Yorkshire HU17 0LW 01482 678710 info@bartoline.co.uk

Contact person Regulatory Compliance Manager

EU ADDRESS Bartoline Ireland Limited

Unit 3D North Point House North Point Business Park

New Mallow Road Cork T23 AT2P

Ireland

+353212066441 info@bartoline.eu

1.4. Emergency telephone number

Emergency telephone 01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour

service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear Nitrile/PVC protective gloves and chemical resistant safety glasses with side

shields.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.

P501 Dispose of contents/container to hazardous waste collection point.

Supplemental label information

To comply with the Control of Pesticides Regulations the following information must be displayed in a box:

STATUTORY CONDITIONS OF APPROVAL RELATING TO USE

FOR USE ONLY AS A SURFACE BIOCIDE.

SURFACE BIOCIDE FOR AMATEUR USE AGAINST MOULD, ALGAE, LICHEN AND MILDEW ON INTERNAL AND EXTERNAL HARD SURFACES SUCH AS BRICK, STONE, WOOD AND PLASTER.

APPLY AT A RATE OF 500ml OF PRODUCT PER 2.5 SQUARE METRES OF SURFACE. APPLICATION METHOD: CLOTH, SPONGE AND TRIGGER SPRAY.

Contains: BENZALKONIUM CHLORIDE 1.5% w/w (15g/l).

Users must comply in full with all their legal responsibilities under the Control of Pesticides Regulations 1986 (as amended), including complying with all Conditions of Approval.

READ ALL PRECAUTIONS BEFORE USE. HSE No 9747

In addition to the information above the following information must be displayed outside the statutory box. Where a statement is prefixed by an asterix the asterix must be replictated on the label:

*DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

*COVER ALL WATER STORAGE TANKS before application.

*Do not empty into drains.

*Do not breathe vapour/spray.

*Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

*REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.

*KEEP AWAY FROM TREATED SURFACES UNTIL DRY.

*AVOID ALL CONTACT WITH PLANT LIFE.

*Use only in well-ventilated areas.

*WASH HANDS AND EXPOSED SKIN before meals and after use.

*KEEP IN A SAFE PLACE.

*Keep out of the reach of children.

*IF SWALLOWED, seek medical advice immediately and show this container or label.

*Keep away from food, drink and animal feedingstuffs.

*Keep only in original container.

*Keep container tightly closed.

BARTOLINE - Fungicidal Wash

Biocide Labelling Contains active substance: Quarterany ammonium compounds, benzyl (C12-C16) alkyl

dimethyl, chlorides

Supplementary precautionary

P101 If medical advice is needed, have product container or label at hand.

statements

P264 Wash contaminated skin thoroughly after handling.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Quaternary ammonium compounds, benzyl (C12-C16) alkyl

1-5%

dimethyl, chlorides

CAS number: 68424-85-1 EC number: 270-325-2

M factor (Acute) = 10

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments This is a ready to use water based mixture containing an active ingredient. Contains:

Benzalkonium Chloride 1.5%w/w (15g/l).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR THE NHS

111 SERVICE. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Never give anything by mouth to an unconscious person. If

medical advice is needed, have product container or label at hand.

Inhalation Unlikely route of exposure as the product does not contain volatile substances. Move affected

person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if

symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

Get medical attention if a large quantity has been ingested. Consult a physician for specific

advice.

Skin contact Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical

attention promptly if symptoms occur after washing.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if

symptoms are severe or persist after washing.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. Wash

contaminated clothing thoroughly with water before removing it from the affected person, or

wear gloves.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation May cause respiratory system irritation.

Ingestion May cause damage to the gastro-intestinal tract.

Skin contact The liquid may be irritating to skin. Skin irritation. Itchiness. Redness. Dryness and/or

cracking.

Eye contact Risk of serious damage to eyes. Pain or irritation. Profuse watering of the eyes. Irritation and

redness, followed by blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Probable mucosal damage may contraindicate the use of gastric lavage.

Specific treatments If swallowed, gastric irrigation with activated carbon. Rinse eyes throughly with physiological

saline.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing

media

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards Not considered to be a significant hazard due to the small quantities used. When handled

correctly, undamaged units represent no danger. The product is not believed to present a hazard due to its physical nature. No specific firefighting precautions applicable when small

quantities are involved in the fire.

Hazardous combustion

products

In a fire situation the following toxic gases/vapours or fumes may be produced: Carbon

monoxide (CO). Hydrogen chloride (HCI). Nitrous gases (NOx).

5.3. Advice for firefighters

Protective actions during

firefighting

Stop leak if safe to do so. Containers close to fire should be removed or cooled with water. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Control run-off water

by containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary and unprotected personnel away from the spillage. Avoid contact with skin

and eyes. Do not enter storage areas or confined spaces unless adequately ventilated. Wear protective clothing as described in Section 8 of this safety data sheet. Wash thoroughly after

dealing with a spillage.

For non-emergency personnel No specific advice required.

For emergency responders

Keep people away from and upwind of spill/leak. Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

For waste disposal, see section 13.

6.2. Environmental precautions

Environmental precautions

As this product is supplied in packagings of 500ml there is a low risk of any environmental damage. The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if safe to do so. If leakage cannot be stopped, evacuate area. Take care as floors and other surfaces may become slippery. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Do not handle until all safety precautions have been read and understood. Use biocides safely. Always read the label and product information before use. Wear protective clothing as described in Section 8 of this safety data sheet. Wear appropriate clothing to prevent any possibility of skin contact. Avoid contact with skin and eyes. Do not breathe vapour/spray. Keep containers upright. Keep out of the reach of children. Do not eat, drink or smoke when using this product.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Store at temperatures above 10°C. Keep containers

upright. Keep locked up and out of the reach of children. Keep away from food, drink and

animal feeding stuffs.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) USE ONLY AS A SURFACE BIOCIDE IN ACCORDANCE WITH THE ON PACK

INSTRUCTIONS.

Usage description STATUTORY CONDITIONS OF APPROVAL

RELATING TO USE

FOR USE ONLY AS A SURFACE BIOCIDE.

SURFACE BIOCIDE FOR AMATEUR USE AGAINST MOULD, ALGAE, LICHEN AND MILDEW ON INTERNAL AND EXTERNAL HARD SURFACES SUCH AS BRICK, STONE, WOOD AND PLASTER.

APPLY AT A RATE OF 500ml OF PRODUCT PER 2.5 SQUARE

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APPLICATION METHOD: CLOTH, SPONGE AND TRIGGER SPRAY.

Contains: BENZALKONIUM CHLORIDE 1.5% W/W (15g/l).

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EATING UTENSILS OR FOOD CONTACT SURFACES. *COVER ALL WATER STORAGE TANKS before application.

- *Do not empty into drains.
- *Do not breathe vapour/spray.
- *Do not contaminate ground, waterbodies or watercourses with chemicals or used container.
- *REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.
- *KEEP AWAY FROM TREATED SURFACES UNTIL DRY.
- *AVOID ALL CONTACT WITH PLANT LIFE.
- *Use only in well-ventilated areas.
- *WASH HANDS AND EXPOSED SKIN before meals and after use.
- *KEEP IN A SAFE PLACE.
- *Keep out of the reach of children.
- *IF SWALLOWED, seek medical advice immediately and show this container or label.
- *Keep away from food, drink and animal feedingstuffs.
- *Keep only in original container.
- *Keep container tightly closed.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

According to the Suppiers MSDS this substance has no occupational exposure limit values.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides (CAS: 68424-85-1)

DNEL No data available from supplier of the substances.

PNEC No data available from the substance supplier.

8.2. Exposure controls

Protective equipment





Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation.

Personal protection

Protective engineering solutions should be implemented and in use before Personal Protective Equipment (PPE) is considered.

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Eye/face protection Wear EN 166 approved chemical safety goggles with side shields where eye exposure is

reasonably probable.

Hand protection To protect hands from chemicals, gloves should comply with European Standard EN374. It is

recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Polyvinyl chloride (PVC). Rubber (natural, latex). Frequent changes are recommended.

Other skin and body

protection

Given the identified use of the product additional skin and body protection should not be

required.

Hygiene measures Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes

contaminated. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Promptly remove any clothing that becomes wet or contaminated. Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection If used in accordance with section 7 of this MSDS the use of respiratory protection should not

be required.

Thermal hazards Not Applicable

Environmental exposure

controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Colourless.

Odour Almost odourless.

Odour threshold No specific test data are available.

pH 7 - 8

Melting point No information available.

Initial boiling point and range 100 Degrees C (water)

Flash point Water Based > 100°C Closed cup.

Evaporation rate Not applicable.

Evaporation factor Not applicable.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or

explosive limits

Not applicable.

Vapour pressure No specific test data are available.

Vapour density Not available.

Relative density 0.989 - 1.009

Solubility(ies) Insoluble in ordinary solvents. Soluble in the following materials: Water

Partition coefficient Not available.

Auto-ignition temperature Not applicable.

Decomposition Temperature No specific test data are available.

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Viscosity 30 - 35 Seconds (B2 Flow Cup)

Explosive propertiesNot considered explosive based on chemical structure and oxygen balance considerations.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties This product is not considered oxidising based on chemical structure considerations.

Comments Information declared as "Not available" or "Not applicable" is not considered to be relevant to

the implementation of the proper control measures. Information given is applicable to the

product in its ready-to-use form.

9.2. Other information

Volatile organic compound There are no VOCs present.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, no hazardous reactions will occur. No specific material or group of materials is likely to react with the product to produce a hazardous

situation.

10.4. Conditions to avoid

Conditions to avoid Avoid the following conditions: Freezing. Long storage and large quantities.

10.5. Incompatible materials

Materials to avoid Anionic compounds

10.6. Hazardous decomposition products

Hazardous decomposition

products

In case of fire irritating fumes and smoke will be evolved.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Calculated
ATE oral (mg/kg) 22,933.33

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisationBased on available data the classification criteria are not met.

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Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

Does not contain any substances known to be toxic to reproduction.

development

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

General information The product is not believed to present a hazard due to its physical nature. SEE

INFORMATION ON HAZARDOUS COMPONENTS BELOW:

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at

ambient temperature.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact May cause severe eye irritation.

Acute and chronic health

hazards

No known chronic or acute health risks.

Route of exposure Skin and/or eye contact

Target organs Eyes Skin

Medical symptoms May cause discomfort if swallowed. Skin contact may cause: Dry skin.

Medical considerations

The following pre-existing or historic medical conditions of the worker may lead to an

increased risk of adverse health effects following exposure to this product: Skin disorders and

allergies.

Toxicological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 344.0

mg/kg)

Species Rat

ATE oral (mg/kg) 344.0

Acute toxicity - dermal

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Acute toxicity dermal (LD₅₀ 3,340.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 3,340.0

Acute toxicity - inhalation

ATE inhalation 5.01

(dusts/mists mg/l)

Skin corrosion/irritation

Skin corrosion/irritation Corrosive (Rabbit) (OECD 404).

Serious eye damage/irritation

Serious eye Based on the skin toxicity data this substance is assumed to cause severe eye

damage/irritation damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity -

fertility

Based on available data the classification criteria are not met.

Reproductive toxicity -

development

Supplier's information. This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Not regarded as dangerous for the environment. See information on ingredient substances

below.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

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Toxicity Substance is very toxic to aquatic life.

Acute aquatic toxicity

LE(C)₅₀ $0.01 < L(E)C50 \le 0.1$

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hour: 0.085 mg/l, Oncorhynchus mykiss (Rainbow trout)

Method: OECD 203

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hour: 0.016 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅o, 72 hour: 0.025 mg/l, Selenastrum capricornutum

Method: OECD 201

Chronic aquatic toxicity

NOEC $0.01 < NOEC \le 0.1$ Degradability Rapidly degradable

12.2. Persistence and degradability

Biodegradation This surfactants within this product complies with the biodegradability criteria as laid down in

Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. The product

ingredients can be readily eliminated in the sewage system.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

Biodegradation The substance is readily biodegradable.

Biological oxygen demand Technical impossibility to obtain the data.

Chemical oxygen demand ~ 1130 mg 02/g product

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

Bioaccumulative potential Log Kow (shake flask method) 2.88 (n_Octanol/water) (OECD 107).

12.4. Mobility in soil

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

Based on available data, the classification criteria are not met.

assessment

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides

Results of PBT and vPvB Based on available data, the classification criteria are not met. **assessment**

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Waste should be treated as controlled waste. Waste packaging should be collected for reuse or recycling. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Following dilution, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

Waste class

Empty plastic containers can be disposed of using EU Waste code 15 01 02 plastic packaging. Note For a waste container to be classed as a packaging waste (15 01) it must be effectively 'empty'.

It is usually obvious if a container is 'empty', for example a half empty tin of solidified paint is not empty, but where there is a small amount of residual material a container will not be empty if that residual material can be removed by physical or mechanical means by applying normal industry standards or processes.

This means that all reasonable efforts must have been made to remove any left-over contents from the container. This may involve for example washing, draining or scraping. The method of emptying will depend on the container and the type of material it contains.

Note: if the design of the packaging, its aperture, or the adherent nature of the material does not permit it to be emptied then it will not be a packaging waste.

If a container is not 'empty' it is not packaging waste. It should be classified on the basis of its contents and the source or activity that produced it. Waste liquid can be classified as organic waste with the European waste code 16 03 05.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group
- 14.5. Environmental hazards
- 14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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.

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

Control of Pesticides Regulations (COPR) 1986

EU legislation

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and

Directive 91/689/EEC on hazardous waste with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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) (as amended).

Guidance Workplace Exposure Limits EH40.

Authorisations (Annex XIV Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Annex XVII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Only trained personnel should use this material. This product is authorised under Control of

Pesticides Regulations (COPR) 1986, HSE No 9626

Training advice The information on directions for use can be found on the product label. It is important to

ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment, methods of cleaning up and disposal of

waste. The basic first aid arrangements.

Revision comments DUE TO CHANGE OF CLASSIFICATION DATABASE THE REVISION NUMBERING HAS

BEEN RESET. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version. NOTE: Lines within the margin indicate

significant changes from the previous revision.

Issued by Product Compliance Assistant

Revision date 26/11/2018

Revision 3

Supersedes date 24/05/2017

SDS number 4839

Hazard statements in full H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP). The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EU and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.