



SAFETY DATA SHEET

Multi-purpose Driveway, Decking and Patio Cleaner

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Multi-purpose Driveway, Decking and Patio Cleaner

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

Identified uses Hard surface biocide for treatment of mould and algae.
Suitable for the control of mould, algae and fungi on decking and patios.

1.3. Details of the supplier of the safety data sheet

Supplier: Barrettine
Barrettine Works
St Ivel Way
Warmley
Bristol
BS30 8TY
0117 960 0060
0117 935 2437
sales@barrettine.co.uk

1.4. Emergency telephone number

0870 190 6777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

Classification (1999/45/EEC)

Not classified.

2.2. Label elements

Label In Accordance With (Ec) No. 1272/2008

Not classified.

Precautionary Statements

P102 Keep out of reach of children.
P261f Avoid breathing spray.
P301+310A+331 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. (if medical advice is needed have a label or bottle to hand) Do NOT induce vomiting.
P303+P361+P350 If ON SKIN: Remove/Take off immediately all contaminated clothing. Gently wash with soap and water.
P305+351+338+313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing until no signs of contamination remain, Get medical advice/attention.
P501B Dispose of contents/container to hazardous waste collection point.

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Supplementary Precautionary Statements

P264B
P403+233+235

Wash with soap and water after handling.
Store in a well-ventilated place, in original container. Keep container tightly closed, Keep cool.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

alkyl dimethyl benzyl ammonium chloride	<0.5%
CAS-No.: 68424-85-1	EC No.: 270-325-2
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. C;R34. N;R50.

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest.

Do not give victim anything to drink if they are unconscious.

Inhalation.

Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs keep head low so that stomach content does not enter lungs.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

Skin Contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before re-use.

Eye Contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials. Do not use high pressure water jet as this may spread burning material.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

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Special Fire Fighting Procedures

Avoid breathing fire vapours.

Protective Measures In Fire

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear protective clothing (see Section 8).

6.2. Environmental precautions

Cover all drains and sewers. Avoid spreading spilt material.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from food, drink and animal feeding stuffs. Do not apply to surfaces on which food is prepared. Cover all food preparation equipment and eating utensils before application. Cover water storage tanks before application.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Keep out of the reach of children.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

STD

WEL = Workplace Exposure Limits

8.1. Control parameters

8.2. Exposure controls

Process Conditions

Use only in well-ventilated areas. Provide eyewash station.

Hand Protection

Avoid prolonged or repeated contact, use suitable protective gloves made of Nitrile, or Neoprene, Polyethylene,

Polyvinyl chloride (PVC). After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied.

Eye Protection

Wear tight-fitting goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Colourless liquid

Multi-purpose Driveway, Decking and Patio Cleaner

Initial Boiling Point and Boiling Range: 100 760 mm Hg
Relative Density: 1.01 20°C.
pH-Value, Conc. Solution: 6.0

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong alkalis.

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 >2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50 >2000 mg/kg (dermal-rat)

Toxicological Information

Health effects of this preparation have not been determined. Data given refer to the hazardous component.

General Information

This product has low toxicity. Only large volumes may have adverse impact on human health. There are no ill effects known to us which can result from the use of this product for its intended purpose and when processing and handling it with the normal precautions employed in the use of chemicals.

Ingestion.

May cause discomfort if swallowed.

Skin Contact

Prolonged contact may cause redness, irritation and dry skin.

Eye Contact

Spray and vapour in the eyes may cause irritation and smarting.

Target Organs

Skin Eyes Gastro-intestinal tract

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Acute Toxicity - Fish LC50 96 hours 0.31 mg/l *Lepomis macrochirus* (Bluegill)

Acute Toxicity - Aquatic EC50 96 hours 0.02 mg/l *Daphnia magna*

Invertebrates

12.2. Persistence and degradability

Degradability:

This product is expected to be not readily biodegradable.

12.3. Bioaccumulative potential

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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Do not dispose to landfill or in water courses.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

16 13 01 - Inorganic plant protection products, wood preserving agents and other biocides.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation 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 MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Pesticides Regulations 1988.

Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

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

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

Guidance Notes

CHIP for everyone HSG(108).

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at www.hse.gov.uk/pubns/guidance/index.htm

Maintenance, examination and testing of local exhaust ventilation HSG154 (HSE 1998).

EU Legislation

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

EC Regulation 648/2004 on Detergents.

National Regulations

This product is approved under The Control of Pesticides Regulations 1988.

For use as directed.

Active Ingredients:

Benzalkonium Chloride 2.0% WW.

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15.2. Chemical Safety Assessment

Statutory Conditions Of Use.

For use only as a surface biocide.

WEAR SUITABLE PROTECTIVE CLOTHING(COVERALLS) AND SYTHETIC RUBBER/PVC GLOVES when using. DO NOT BREATHE SPRAY MIST. Otherwise wear respiratory equipments and eye protection (see HSE Guidance Booklet HS(G)53 "Respiratory Protective Equipment a practical guide for users"). DANGEROUS TO FISH AND OTHER AQUATIC LIFE. Do not contaminate water courses or ground. Remove or cover fish tanks and bowls before application. PREVENT ANY SURFACE WATER RUN-OFF FROM ENTERING DRAINS. DO NOT APPLY TO SURFACES on which food is stored, prepared or eaten. COVER WATER STORAGE TANKS BEFORE APPLICATION. THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way. UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL SURFACES ARE DRY. WHEN USING DO NOT EAT DRINK OR SMOKE. REMOVE OR COVER ALL FOODSTUFFS BEFORE APPLICATION. ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS, THE NATURE CONSERVANCY COUNCIL SHOULD BE CONSULTED. AVOID ALL CONTACT WITH PLANT LIFE.

Directions For Use

Remove all loose matter and visible growth from surface to be treated. Apply generously by spray, brush or dipping. Scrub affected areas with a brush or cloth. Ideally leave up to 24 hours, then wash any excess treatment with clean water. Allow to dry thoroughly (at least 24 hours) before decorating. If applying to exterior surfaces do not apply if rain is imminent.

AFTER USE, clean application equipment with water.

APPLICATION RATE: 1 litre per 4 square metres.

Detergent Regulations

Benzalkonium Chloride 2.0% WW.

SECTION 16: OTHER INFORMATION

General Information

The surfactant(s) contained in this preparation complies(comply) 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.

Revision Comments

No previous version.

Revision Date 01-FEB-11- Rev 01: 0862

Risk Phrases In Full

R34 Causes burns.
R22 Harmful if swallowed.
R50 Very toxic to aquatic organisms.

Hazard Statements In Full

H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.

Disclaimer

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.