

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

BORON BRUSHABLE GEL

Version: 3

Print date: 22.1.13

**1. Identification of Substance/Preparation and Company**

Product Name Boron brushable gel
Company Biokil Crown Ltd
7 Stadium Ind Park, Long Eaton
Nottingham, NG10 2DD
Telephone 0115 946 0060
Fax 0115 946 9767
Emergency Telephone 07967 10 71 95

2. Composition / Information on ingredients

| | | | | |
|---------------------------------------|---------|--------------------|------------------|-------|
| Disodium octaborate tetrahydrate | 20% w/w | CAS No: 12280-03-4 | T (Reproduction) | 60/61 |
| Glycol medium & Other Inert Materials | 80% w/w | CAS No: 107-21-1 | None | None |

3. Hazards identification

Classification of the preparation in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIPS 4)
Toxic for reproduction (Cat 2)
May impair fertility
May cause harm to the unborn child

4. First aid measures

| | |
|------------|--|
| SWALLOWING | Do not induce vomiting. Administer large quantities of milk or water and seek medical attention immediately. |
| EYES | Rinse immediately with plenty of water for at least 15 minutes. If irritation occurs, consult a doctor. |
| INHALATION | Under normal conditions of use and storage, this product does not constitute an inhalation risk. |
| SKIN | Remove contaminated clothing and wash affected areas with soap and water. Launder contaminated clothing before re-use. |

5. Fire fighting measures

| | |
|------------------------|---|
| EXTINGUISHING MEDIA | Alcohol resistant foam, dry chemical CO ² or Fog |
| PPE : FIRE | Gloves, chemical resistant boots and breathing apparatus. |
| PRODUCTS OF COMBUSTION | Oxides of Carbon and Nitrogen |
| PPE : SPILLAGE | Chemical resistant gloves, boots and eye/face protection. |

OTHER INFORMATION (FIRE)
NONE.

6. Accidental release measures

Wear suitable protective clothing. Where possible shut off source of leak. Absorb with dry sand, earth, vermiculite or similar. Place into suitable container (HDPE or lacquered steel), mark with contents to await disposal. Remaining or smaller spills may be wiped with absorbent cloth and the area flushed with water. Do not allow waste or run-off to contaminate ponds, waterways or ditches. If contamination occurs inform Police, Fire Brigade or Environment Agency.

7. Handling and storage

Store in original containers, above 5°C, out of reach of children and apart from food, drink and animal feedstuffs. Wear suitable protective clothing and gloves

8. Exposure controls / personal protection

Wear suitable protective clothing (coveralls), gloves and eye/face protection. Wash hands and exposed skin before meals and after work. Remove or cover fish tanks and bowls before application. Cover water

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storage tanks. Provide a physical barrier to treated surfaces to ensure unprotected persons and pets do not come into contact with product until dry. Be aware of bats in treatment areas. Engineering controls may replace PPE if it can be shown to exhibit an equal or higher standard of protection

9. Physical and chemical properties

| | | | |
|------------------------|-------------------------------|-----------------------|-----------------------------|
| APPEARANCE: | Clear or green viscous liquid | | |
| ODOUR: | Low - None | | |
| pH | Not known | FLASH POINT: | > 100°C |
| BOILING POINT: | 100 - 200 °C | AUTO IGNITION: | > 100°C |
| MELTING POINT: | Not applicable | | |
| EXPLOSIVE PROPERTIES: | None known | OXIDISING PROPERTIES: | None known |
| VAPOUR PRESSURE: | Not known | DENSITY: | 1.2 - 1.3 g/cm ³ |
| SOLUBILITY IN WATER: | Soluble | | |
| SOLUBILITY IN SOLVENT: | Not known | (SPECIFY SOLVENT): | - Not applicable |
| PARTITION COEFFICIENT: | Not applicable | n-Octanol/Water | - Not applicable |

10. Stability and reactivity

Stable and non-reactive if stored and handled correctly.

INCOMPATIBLE SUBSTANCES

Keep apart from strong acids and bases.

11. Toxicological information

LD₅₀ (Oral - Rat) 3000 - 4000 mg/kg (Boric Acid - Borax)

LD₅₀ (Skin - Rabbit) > 5000 mg/kg (Inert ingredients)

| | |
|-------------|--|
| | EFFECTS OF ACUTE (OVER) EXPOSURE |
| SKIN: | Some de-fatting of the skin is possible which may lead to drying and cracking. |
| EYES: | Repeated contact can cause some watering and reddening. |
| INHALATION: | At elevated temperatures, vapour may have a narcotic effect leading to disorientation and dizziness. |
| INGESTION: | Some abdominal pain, possibly vomiting. |

12. Ecological information

Boron is an essential micronutrient but in quantity will be phytotoxic. Product does not bioaccumulate (Bod20/Thod approximately 82% - inert component). Exhibits extremely low toxicity to aquatic life

13. Disposal considerations

Dispose of waste and uncleaned containers in accordance with the Environmental Protection Act 1990. Remove to a waste disposal site approved and licensed by the local authority and operated by an approved, competent and licensed waste disposal contractor. Destroy by high temperature incineration. Cleaned containers may be sent for re-cycling. Duty of Care Waste Disposal Form should specify: Pesticide Product

14. Transport information

| | |
|-------------------|--|
| PACKAGING GROUP | N/a |
| HAZARD CLASS | N/a |
| UN No. | N/a |
| TREM CARD No. | N/a |
| OTHER INFORMATION | Stow apart from food, drink and animal feedstuffs. |

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15. Regulatory information

This product has been assessed and classified according to The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIPs 4) and The Control of Pesticides Regulations (as amended 1997) (inc Northern Ireland), and ascribed the following risk phrases.

R-Phrase(s): Toxic for reproduction

R61 – May impair fertility

R62 – May cause harm to the unborn child



S-Phrase(s): FOR USE ONLY AS A WOOD PRESERVATIVE

FOR USE BY PROFESSIONAL OPERATORS

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work.

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

Wear suitable protective clothing and gloves.

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDRER REGULARLY.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide and equal or higher standard of protection.

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

COVER WATER STORAGE TANKS before application.

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

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

ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS OR ANIMALS UNTIL TREATED

SURFACES ARE DRY. 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.

WOOD PRESERVATIVE FOR PROFESSIONAL USE AGAINST WOOD ROTTING FUNGI AND WOOD DESTROYING INSECTS.

This product is approved under the Control of Pesticides Regulations 1986 for use by Professional Operators as directed. HSE No 7255

The Control of Substances Hazardous To Health Regulations 1988 will relate to this product when used at work.

16. Other Information

This product is approved for professional use under "The Control of Pesticides Regulations 1986" HSE No: Use as directed.

NOTICE TO CUSTOMER:

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO PRODUCT'S USE.

KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE USE.

READ THIS SDS IN CONJUNCTION WITH ANY LABEL AND DIRECTIONS FOR USE ON THE PRODUCT CONTAINER.

DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT.

THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED.

COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, DAMAGE OR INJURY AS CO

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