

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

BORACOL 10 RH

Version: 3

Print date: 22.1.13

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

Product Name Boracol 10 RH
 Company Biokil Crown Ltd
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 Nottingham, NG10 2DD
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2. Composition / Information on ingredients

			Symbol	R Phrase
Disodium octaborate tetrahydrate	10%	CAS No: 12280-03-04	T (Reproduction)	60/61
1,2 Ethandiol and other inert materials	88%	CAS No: 107-21-1	None	None
Alkyl Dimethyl Benzyl Ammonium Chloride	2%	CAS No: 61789-71-7	C	R34

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 Rinse mouth and administer 1 pint warm water (cold if not available). Do not induce vomiting - seek medical attention immediately. Never administer anything by mouth to an unconscious person. See also Section 11.

EYES Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

INHALATION Remove patient to fresh air, keep warm and at rest. Seek medical attention immediately.

SKIN Remove contaminated clothing and wash affected areas with soap and water. Launder contaminated clothing before re-use. If irritation persists, consult a doctor.

5. Fire fighting measures

EXTINGUISHING MEDIA Product is non-combustible. Essentially an aqueous solution.

PPE : FIRE Neoprene/PVC or synthetic gloves, chemical resistant boots and clothing. Breathing apparatus in the event of smoke inhalation.

PRODUCTS OF COMBUSTION Exposure to extreme heat may liberate water vapour with trace quantities of Hydrogen Chloride and Oxides of Nitrogen and Carbon.

PPE : SPILLAGE Neoprene/PVC or synthetic rubber gloves and eye/face protection and chemical resistant boots.

6. Accidental release measures

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Where possible shut off or remove source of leak. Absorb spillage with sand/sawdust or vermiculite and place into suitable HDPE/plastic drum. Seal and mark container with contents to await disposal. Wash down with copious water.

If product has entered watercourses or ditches inform Police or Fire Brigade

7. Handling and storage

Store in safe, cool, dry conditions, away from food, drink and animal foodstuffs.

Wear suitable gloves, overalls and eye/face protection. Keep out of reach of children.

Store only in original container, tightly closed.

When using, do not eat, drink or smoke.

8. Exposure controls / personal protection

Wear suitable gloves, (neoprene/PVC or synthetic rubber). Eye/face protection to BS2092 for chemical resistance and coveralls. If spraying wear suitable respiratory protection, either an airfed mask or cartridge type respirator fitted with P2 or P3 cartridge.

Engineering controls of operator exposure may replace PPE if it provides equal or a higher degree of protection (ie local exhaust ventilation, non atomising spray etc).

Wash hands and skin before and after work. Do not apply to surfaces where food is prepared, stored or eaten. Remove or cover all foodstuffs before application. Do not apply to hot surfaces or unprotected electrical equipment or naked flames. Keep unprotected persons and animals away from treated surfaces for 48 hours or until surfaces are dry or covered. Avoid excessive contamination of coveralls and launder regularly.

9. Physical and chemical properties

APPEARANCE:	Clear/Amber liquid	FLASH POINT:	>100°C
ODOUR:	Slight	AUTO IGNITION:	Not Known
pH:	8	OXIDISING PROPERTIES:	None
BOILING POINT:	100 °C	DENSITY:	1.09 - 1.16g/cm ⁻³
MELTING POINT:	N/A	(SPECIFY SOLVENT):	n-Octanol/Water
EXPLOSIVE PROPERTIES:	None		
VAPOUR PRESSURE:	N/A		
SOLUBILITY IN WATER:	Soluble		
SOLUBILITY IN SOLVENT:	Insoluble		
PARTITION COEFFICIENT:	N/A		

10. Stability and reactivity

Stable and non reactive under normal conditions of handling and storage

11. Toxicological information

LD₅₀ 15,000 mg/kg (Wistar Rat Scantox)


EFFECTS OF ACUTE(OVER) EXPOSURE

SKIN: Reddening at the site of contact possible accompanied by itching/stinging.

EYES: Watering, soreness and severe irritation.

INHALATION: Due to the low volatility of the product there should be no hazard associated with inhalation under normal conditions of use. Excessive inhalation of spray mist may cause irritation of nasal passages and mucous membranes, cough, confusion or dizziness.

INGESTION: * Abdominal pains, nausea, vomiting, possible reddening of the mouth and gastric tract.

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* NB. This product contains 1,2 Ethandiol which can be dangerous in high doses. To block the Toxic Aldehyde administer Ethanol orally. Medical Personnel should contact their nearest Poisons Unit for further advice.

12. Ecological information

Do not allow product, waste or empty container to contaminate ponds, waterways, ditches, drains or water storage tanks.

Toxic to aquatic life. Possible phytotoxic - avoid contact with plantlife. All ingredients potentially biodegradable.

Do not use on or near bees or bee keeping equipment including hives.

13. Disposal considerations

Dispose of Waste in accordance with the Environmental Protection Act 1990. Preferably by high temperature incineration at a site approved and licensed by the Local Authority, operated by a competent approved and licensed Waste Disposal Contractor.

Cleaned and empty containers may be disposed of as inert waste (remove the label).

Duty of Care Waste Transfer 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 In mixed loads stow apart from food, drink and animal foodstuffs.

Not restricted for transport according to the UK Government's PGR 1992 or CDG - CPL 1994

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

R34 - Causes burns



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 LAUNDER 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.

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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: 7271.

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

16. Other Information

Recommended uses and restrictions: Use only as directed.

NOTICE TO CUSTOMER:-

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO USING THE PRODUCT.

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

READ THIS SDS IN CONJUNCTION WITH THE 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 LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.

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