

1	Identification of the preparation and the supplying Company	Howes Olympic Algaecide. A concentrated biocide for treatment of surfaces to control algae. Killgerm Chemicals Ltd, Denholme Drive, Ossett, West Yorkshire, WF5 9NA. Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com	
2	Hazards identification	C. Corrosive – Causes burns. R34. Xn. Harmful - Harmful in contact with skin and if swallowed. N. Dangerous for the environment – Very toxic to aquatic organisms. R50.	
3	Composition and information on ingredients	Benzalkonium Chloride solution - 66.0%w/w. C. R34. R21/22. R50. See paragraph 16 for full text of R-phrases and hazard classification of ingredients.	
4	First Aid measures	Ingestion:	Wash out mouth with water, avoid contaminating body. Remove contaminated clothing. Give small quantity of milk or water to drink. Get medical advice.
		Skin contact:	Wash with water. Remove contaminated clothing. Re-wash skin. Get medical advice if irritation or skin-colour change symptoms occur or if contact is more than trivial (i.e.- greater than palm sized).
		Eye contact:	Wash for 10 mins with water. Get medical advice. Avoid initial washings contaminating clothing and other parts of body.
		Advice to doctor:	Contains surface active detergent.
5	Fire-fighting measures	Extinguishers:	Use dry chemical or foam fire extinguishers. Toxic fumes will be evolved in a fire. Self-contained breathing apparatus should be worn by fire fighters.
6	Accidental release measures	Spillage (containment and disposal):	Small spillages- mop up, then mop over area with soap and water. Large spillages- Prevent spreading by surrounding with sand, earth, rags etc. Absorb, then shovel whole lot into a marked plastic container. Contact supplier for advice about disposal. Wash contaminated area with soap and water. Area may be slippery.
7	Handling and storage	Precautions in use:	FOR USE ONLY BY PROFESSIONAL OPERATORS. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe spray. Otherwise wear respiratory protective equipment and eye protection (See HSE guidance booklet (HS)G53: "The Selection, Use and Maintenance of Respiratory Protective Equipment – A Practical Guide"). AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY. TAKE OFF IMMEDIATELY all contaminated clothing. COVER WATER STORAGE TANKS before application. REMOVE OR COVER ALL FOODSTUFFS before application. UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL SURFACES ARE DRY. REMOVE OR COVER ALL FISH TANKS AND BOWLS before application. AVOID ALL CONTACT WITH PLANT LIFE. PREVENT ANY SURFACE RUN-OFF FROM ENTERING DRAINS. This material and its container must be disposed of in a safe way. WASH ANY CONTAMINATION FROM SKIN OR EYES IMMEDIATELY. WASH HANDS AND EXPOSED SKIN before meals and after use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
		Storage and transport precautions:	KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. Keep out of the reach of children. Keep only in the original container. Keep container tightly closed. KEEP IN A SAFE PLACE. Use appropriate containment to avoid environmental contamination.
8	Exposure controls and personal protection	PPE Item	In Use Spillage
		Respirator	If required, half mask to EN140 plus AP to EN143 class filter to required protection factor.
		Gloves	Unlined synthetic rubber/PVC gloves.
		Overall	Coverall to type 5/6 plus apron when handling the concentrate. Coverall to type 4.
		Goggles/ Face shield	Face shield to EN166. Face shield to EN166.
9	Physical and chemical properties	Appearance:	A pale green/yellow slightly viscous liquid.
		pH:	Of concentrate at manufacture is between 2.0 and 7.0 the pH drops on storage but this has no effect whatsoever on the fluid properties.
		Flash point:	None
		Flammability:	Will not burn at ordinary temperatures. Not considered a fire hazard.
		Bulk density:	1.00
		Solubility:	Soluble in water.
		Odour:	Characteristic- slight odour.
		Incompatibility:	Store away from strong oxidising agents.
10	Stability and reactivity	Not a reactive preparation.	

