MUC-OFF LTD
PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Supplier: Muc-Off Ltd, The Fulcrum, S1 Vantage Way, Poole, Dorset, BH12 4NU UK
Tel. (01202) 307790 Fax: (01202) 746853

Product Name: Muc-Off Helmet & Visor/Eyewear & Goggle/Device & Screen Cleaner
Product Type: Detergent

2. Composition/Information on Ingredients.

Name:	EC No.	Cas No.	Content	Classification:
Quaternary Ammonium Compounds, Benzyl C12 – 16 Alkyldimethyl, Chlorides (= Benzalkonium Chloride)	270-325-2	68424-85-1	< 1%	Xn;R22. C;R34. N;R50

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3704008?

The full text for all R-Phrases are displayed in Section 16

3. Hazards Identification.

Not regarded as a health or environmental hazard under current legislation.

4. First Aid Measures.

Eye Contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin Contact: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

5. Fire Fighting Measures:

Protective measures in fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Extinguishing Media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6. Accidental Release Measures.

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions: Do not discharge onto the ground or into water courses.

Spill clean up methods: Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7. Handling and Storage.

Storage Precautions: Store in tightly closed original container in a dry, cool and well ventilated place. Keep in original container.

Usage precautions: Avoid spilling, skin and eye contact.

8. Exposure Controls/Personal Protection.

Protective Equipment





Engineering Measures: Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Eye protection	If risk of splashing, wear safety goggles or face shield.
Hand protection	Use suitable protective gloves if risk of skin contact.
Other protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. Physical and Chemical Properties.

Appearance	Liquid		
Colour	Blue		
Odour	Characteristic		
Solubility	Soluble in water		
Relative density	1.00 20	pH-VALUE, CONC . SOLUTION	7.50
Viscosity	Water thin		

10. Stability and Reactivity.

Stability:	Stable under normal temperature conditions.
Conditions to Avoid:	Avoid excessive heat for prolonged periods of time.
Hazardous decomposition products	Fire creates: Carbon monoxide (CO) Carbon dioxide (CO_2)

11. Toxicological Information.

Eye contact:	Spray and vapour in the eyes may cause irritation and smarting.
Skin contact:	Liquid may irritate skin.
Inhalation:	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Ingestion:	May cause discomfort if swallowed.

12. Ecological Information.

Ecotoxicity Not regarded as dangerous for the environment.

Mobility The product is soluble in water.

Degradability 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 or at the request of a detergent manufacturer.

13. Disposal Recommendations.

General information	Do not puncture or incinerate even when empty.
Disposal methods	Dispose of waste and residues in accordance with local authority requirements.

14. Transport Information.

ROAD TRANSPORT NOTES	Not classified
RAIL TRANSPORT NOTES	Not classified
SEA TRANSPORT NOTES	Not classified
AIR TRANSPORT NOTES	Not classified

15. Regulatory Information.

Risk Phrases:	NC Not classified
Safety Phrases:	NC Not classified
Statutory instruments	Chemicals (Hazard Information and Packaging) Regulations
Approved code of practise	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
Guidance notes	Workplace Exposure Limits EH40. CHIP for everyone HSG (108)

16. Other Information.

Revision date	11th April 2008
Rev No/Repl. SDS Generated	New
SDS No	P335
Approved.	
DATE	11th April 2008
Signature	Paul Sanders