



BIO TECHNICS LIMITED

Upper Mill, Inverbervie, Aberdeenshire, Scotland UK DD10 0SP
Telephone +44 (0) 1561 361515 Fax +44 (0) 1561 361011
Email info@biotechnics.co.uk
www.simplybio.com

MATERIAL SAFETY DATA SHEET PRODUCT

ENDURO HAND SANITISER

1. DESCRIPTION / PROPERTIES (nature, reactivity):

Water soluble hand cleansing sanitiser.

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NO	EINECS	% CONCENTRATION	HAZARD	RISK PHRASES	WEL
Quaternary ammonium chloride	7173-51-5	230-525-2	0 - 1%	C, N	R22, 34, 50	--
Alkyl diethanolamide	68603-42-9	271-657-0	0 - 1%	Xi	R38, 41	--
Amine Oxide	70592-80-2	274-687-2	0 - 1%	Xi, N	R38, R41, R50	--
Ethoxylated alkanolamide	61791-08-0	-	0 - 5%	Xi	R41	--

3. HAZARDS IDENTIFICATION

a) **Fire/Explosion Hazard (stability, flammability, combustion products):**

Water based material. Not classified as flammable or combustible.

b) **Health Hazard (inhalation, ingestion, contact with skin or eyes):**

Not classified as hazardous for use. Negligible inhalation risk. Low oral toxicity, but ingestion should be avoided. Avoid contact with eyes. Use only as a hand sanitising agent.

c) **Environmental Hazard:**

Not classified as hazardous to the environment.

4. FIRST AID MEASURES

- INHALATION** - Very low risk in normal use, since the product is non-volatile.
- SKIN CONTACT** - Use only as a hand sanitising agent. Wash hands before eating or drinking.
- EYE CONTACT** - Remove contact lenses. Irrigate with plenty of running water. Seek medical advice if any irritation persists.
- INGESTION** - Do not swallow. Wash out mouth with water. Do not induce vomiting. If swallowed in quantity seek medical advice as a precautionary measure. Irritation of the mouth, pharynx, oesophagus and stomach can develop following significant ingestion.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Since the product is not flammable or combustible, if involved in a fire, use extinguishing media appropriate to the source of the fire.

Protection for fire fighters:

Wear self-contained breathing apparatus. Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Mark out contaminated area with signs and prevent access by unauthorised personnel.

Environmental Precautions:

Product is not an environmental hazard in normal circumstances.

Clean up Procedures:

Disperse small spillages with a large excess of water. Contaminated areas may be slippery.

7. HANDLING AND STORAGE

Handling:

No specific handling precautions necessary. After using wash hands before eating or drinking

Storage:

May be stored for periods in excess of six months in plastic containers as supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:

Component Name	Concentration in preparation	8 hour exposure limit	Short term exposure limit
None			

References: EH40/2005 Workplace Exposure Limits

Engineering Controls:

Provide eyewash station

Personal Protection:

Hand: Wash hands in normal manner, before eating and drinking, after using this product.

Eyes: Wear safety glasses, if handling in bulk.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellow to pale yellow low viscosity liquid.
Density at 20°C	: Approximately 1.0
Vapour Pressure at 20°C	: Similar to water
Solubility in water at 20°C	: Fully miscible
pH Value	: Approximately 6.0 to 8.0 as supplied.
Flash Point	: NA

10. STABILITY AND REACTIVITY

Stability:

Stable

Materials to avoid:

Strong oxidising agents.

Hazardous decomposition products:

No specific hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Health Effects:

Respiratory:

Not likely to occur.

Skin:

No known adverse effects.

Eyes:

May cause irritation

Ingestion:

Low acute toxicity.

Toxicological Data:

Low order of acute toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not considered to be an environmental hazard in normal usage

Degradability:

In normal usage the product is degraded by conventional foul drain treatment processes.

Bioaccumulation: No bioaccumulation expected.

13. DISPOSAL CONSIDERATION

Disposal Methods: Disperse small spillages with a large excess of water. Return unwanted material to the supplier.

14. TRANSPORT INFORMATION

Not classified as hazardous for transportation.

15. REGULATORY INFORMATION

Not classified as hazardous for use.

Regulatory Information:

UK Regulatory References: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

EC Directives: EH40/2005: Workplace Exposure Limits 2005.
Dangerous Preparations Directive (1999/45/EC).
Safety Data Sheets Directive (2001/58/EC)>

Approved Code of Practice: The Compilation of Safety Data Sheets.

16. OTHER INFORMATION

PLEASE NOTE:

The above information is based on the present state of our knowledge at the time of publication. It is given in good faith, no warranty is implied with respect to quality or specification of product. The user must satisfy himself that the product is entirely suitable.

Signature: _____

Date: 15th February 2006