



Biochem Trading (Pty) Ltd  
Company Reg No: 2005/014725/07  
Vat Reg No: 4520231525

Tel: (Admin) 031 768 1602 (Sales) 031 768 1602  
Fax: (Admin) 031 5833 619 (Sales) 086 585 5670  
E-Mail: (Admin) estelle@javabrands.co.za  
(Sales) sales@biochemproducts.co.za



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY:

PRODUCT NAME: **Nu-Eco Hygienic Hand & Surface Cleanser**  
PRODUCT CODE: RETNE 032, 035, 033, 097, 100  
SUPPLIER: **Biochem Trading (Pty) Ltd**  
Address: Unit 16, 450 Kassier Road, Assagay, 3624  
Tel: 031 768 1602  
E-mail: sales@biochemproducts.co.za

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

INCI NAME: Ethanol 73%, Aqua (Water), Citric Acid, Malic acid, Citrus Aurantium Amara Extract, Citrus Aurantifolia (Lime) Oil, Mentha Viridis (Spearmint) Leaf Oil  
HAZARDOUS COMPONENTS: Ethanol – contains 73% (Hazchem code: 2SE)  
CAS NUMBER: Product not classified

### 3. HAZARDS IDENTIFICATION:

PRIMARY HAZARDS: None  
HEALTH EFFECTS:  
EYES: May cause minor irritation, transient pain and watering  
INGESTION: May cause nausea and vomiting if ingested  
INHALATION: Unlikely to occur  
SKIN: May cause irritation and possibly hypersensitive reaction and contact dermatitis in some people

### 4. FIRST-AID MEASURES:

INHALATION: None, however remove from exposure site to fresh air. Keep at rest. Obtain medical attention if recovery is slow  
EYE CONTACT: Remove contact lenses where possible, wash eye(s) immediately with plenty of water for at least 5 minutes. Contact a doctor if symptoms persist  
INGESTION: Rinse mouth out with water. Seek medical advice immediately  
OTHER: Advice to physicians, none

### 5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water spray, AFFF foam, chemical dry powder or carbon dioxide  
UNSUITABLE: Extinguishing media – water jet  
SPECIAL HAZARDS: When heated to decomposition may produce acrid smoke  
PROTECTIVE EQUIPMENT: Self contained breathing apparatus and protective clothing



## **6. ACCIDENTAL RELEASE MEASURES:**

PERSONAL PRECAUTIONS: None  
ENVIRONMENT PRECAUTIONS: None  
SPILLAGES: Absorb spillage using a proprietary absorbent or sand, scoop up and place in a suitable container and dispose of as directed. Thoroughly wash contaminated area with water and detergent

## **7. HANDLING & STORAGE:**

PRECAUTIONS IN HANDLING: When pouring avoid splashing. Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling  
STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources at a temperature range 10-25°C & protected from light. Keep air contact to a minimum and prevent from freezing

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

RESPIRATORY PROTECTION: Use respiratory mask  
VENTILATION: Ensure good ventilation of working area  
HAND PROTECTION: Avoid all skin contact. Use PVC or rubber gloves  
EYE PROTECTION: Use safety glasses or face shield to BS EN166 standard while pouring or mixing  
WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling  
OCCUPATIONAL: Exposure standards, none reported  
ENGINEERING CONTROL: Measures, none  
GENERAL PROTECTION: Wear overalls

## **9. PHYSICAL & CHEMICAL PROPERTIES:**

PHYSICAL APPEARANCE: Clear liquid  
ODOUR: Characteristic  
FLASH POINT °C: 22°C  
BOILING POINT °C: 73 - 78°C  
SOLUBILITY IN WATER: Miscible  
SOLUBILITY IN ALCOHOL: Miscible  
EXPLOSION LIMITS: Unknown  
WEIGHT (G/ML): 0.8265 G/ML  
FLAMMABILITY: Flammable  
AUTO-IGNITION (°C): 363°C  
EXPLOSIVE PROPERTIES: Unknown  
OXIDISING PROPERTIES: None reported  
VISCOSITY (CST): Mobile liquid  
VAPOUR DENSITY (AIR=1): Not applicable



**10. STABILITY & REACTIVITY:**

STABILITY: Stable under normal conditions  
 DECOMPOSTION: None  
 CONDITIONS TO AVOID: High temperatures/freezing temperatures, excessive heat, open flames and welding arcs  
 MATERIALS TO AVOID: None

**11. TOXICOLOGICAL INFORMATION:**

No data available

**12. ECOLOGICAL INFORMATION:**

MOBILITY: Mixes readily with water  
 PERSISTENCE/DEGRADABILITY: No test data  
 BIO ACCUMULATION: Not expected to bio-accumulate  
 ECOTOXICITY: No data available

**13. DISPOSAL CONSIDERATIONS:**

PRODUCT DISPOSAL: Mix with water and pour into effluent drains. Product mixed with absorbent material may be disposed of as non hazardous waste  
 CONTAINER DISPOSAL: Wash container out, remove label and send for recycling

**14. TRANSPORT REGULATIONS:**

ROAD (ADR/RID): N/A  
 AIR (IATA): N/A  
 SEA (IMDG): N/A  
 CHIP: See section 15

**15. REGULATORY INFORMATION:** According to Directive 88/379/EEC

HAZARDS: Hazchem code: 2SE  
 SYMBOLS: N/A  
 RISK PHRASES: N/A  
 SAFETY PHRASES: N/A

**16. OTHER INFORMATION:**

Manufactured with food grade preservatives

**PACKAGING:**

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	No
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes



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Other plastic	Yes
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### SHELF LIFE

When stored within advised conditions, minimum 18 months

### Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use