

MATERIAL SAFETY DATA SHEET

Bell Klenzmatic

A concentrated machine dishwashing liquid detergent



SANS 1828

COMPANY DETAILS

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1. PRODUCT NAME:

Trade Name: Bell Klenzmatic
Product Code: KIT9038
Synonyms: Machine dishwashing liquid

2. COMPOSITION:

components in concentrate form:
Potassium hydroxide Cas# 1310-58-3
Tetrapotassium pyrophosphate Cas# 7320-34-5
Ethylenediaminetetraacetic acid Cas# 60-00-4

R Phrases: 36, 37, 38

3. HAZARDS IDENTIFICATION:

Main hazard: Highly alkaline.
Flammability: Non flammable
Health effects - skin: Avoid skin contact.
- ingestion: Avoid contact with mouth and eyes
- inhalation: Avoid inhalation of fine spray.
Carcinogenicity, Mutagenicity
& Neurotoxicity: No ingredients are classified as such

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4. FIRST AID MEASURES:

Product in eye:	Flush thoroughly with water for about 15 minutes and seek medical advice if irritation persists
Product on skin:	Rinse well with water. Apply skin cream if irritation persists.
Product ingested:	Drink large quantity of water or milk and seek medical advice.
Product inhaled:	Move to fresh air and seek medical attention if irritation persists.

5. FIRE FIGHTING MEASURES:

Extinguishing Media:	Water, spray or fog, CO2 powder
Protective Clothing:	Wear protective clothing
Special Hazards:	None

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Floor may be made slippery.
Small spills:	Dilute with water and mop up and wash area.
Large spills:	Large quantities should be gathered in plastic containers and be dumped in an authorized place.

Clean as per Government regulations. Soak up with inert absorbent material (eg. Sand, silica gel, acid binder, sawdust).

7. HANDLING AND STORAGE:

Suitable Material:	Plastic containers
Handling Storage Precessions:	Keep in a cool place. Keep lid closed.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Occupational Exposure Limits:	Nil
Engineering Control Measures:	Not required
Personal Protection:	Wear protective clothing
Other Protection:	None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	A clear yellow liquid.
Odour:	Mild.
pH:	12.0 - 14.0
Boiling point:	About 100° C.
Melting point:	N/A
Flash point:	N/A
Flammability:	Non flammable.
Auto flammability - degrees C:	Nil
Explosive properties:	None
Oxidizing properties:	None
Neurotoxicity:	Nil.

10. STABILITY AND REACTIVE

Chemical Stability: Stable under normal conditions.
 Incompatible Materials: Acids and alkalis
 Hazardous decomposition products: Nil.

11. TOXICOLOGICAL INFORMATION

It could irritate and corrode mucous membranes if swallowed because of its alkalinity.

12. ECOLOGICAL INFORMATION

Estimated from raw material concentrations and their published biodegradability, the product is more than 99% biodegradable.

Aquatic Toxicity:	Fish:	Assumed non toxic
Aquatic Toxicity:	Daphnia:	Assumed non toxic
Aquatic Toxicity:	Algae:	Assumed non toxic
Biodegradability:	Yes	
Bio-accumulations:	Nil	

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose in accordance with local legislation
 Disposal of packaging: No special precautions

14. TRANSPORT INFORMATION

Not classified as "Dangerous for Transport".

15. REGULATORY INFORMATION

EEC hazard classification:	N/A
Risk Phases:	36, 37, 38
National Legislation:	N/A

16. OTHER INFORMATION

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