

MATERIAL SAFETY DATA SHEET

Columbus Handysan An ammoniated, cream cleaner

COMPANY DETAILS

Manufacture's Name:	Columbus Cleaning Solutions (Pty) Ltd
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1. PRODUCT NAME:

Trade Name:	Handysan
Product Code:	HANDYSAN
Synonyms:	General purpose cleaner

2. COMPOSITION:

Hazardous and/ or other relevant Ingredients:

Ammonium hydroxide	CAS# 1336-21-6
EEC Clasification:	Irritant (Xi)
R Phrases:	36, 37, 37

3. HAZARDS IDENTIFICATION:

Main hazard:	Not hazardous, could be eye Irritant
Flammability:	Non flammable
Health effects	- eye: Irritant - skin: Irritant, long exposure causes defatting. - ingestion: Nausea , vomiting. - inhalation: Slight irritant
- Carcinogenicity, Mutagenicity & Neurotoxicity:	No ingredients are classified as such.

4. FIRST AID MEASURES:

First Aid Eyes:	Irritant. Flush eyes with water for 15 minutes, if irritation persists, seek medical attention.
First Aid Skin:	Wash with water.
First Aid Ingestion:	Drink milk. Seek medical help.
First Aid Inhalation:	Remove to fresh air.

5. FIRE FIGHTING MEASURES:

Wear chemical protective suit with self-contained breathing apparatus.
Cool exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES:

Breathing apparatus for fire only:	Ensure adequate ventilation.
Environmental Precautions:	Do not flush into sewer
Small spills:	Scrape up. Return to original container.
Large spills:	Clean as per Government regulations. Soak up with inert absorbent material (eg. Sand, 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:	Green, viscous liquid.	
Odor:	Citrus and Ammonia	
pH:	9.5 - 10.5	
Melting point:	Not determined	
Flash point:	Not applicable	
Flammability:	Nil	
Auto Flammability:	Not determined	
Explosive Properties:	Nil	
Oxidizing Properties:	Nil	
Specific Gravity:	1.00 - 1.01	
Solubility:	Water:	90%
Neurotoxicity:	Nil.	

10. STABILITY AND REACTIVE

Chemical Stability:	Stable under normal conditions.
Incompatible Materials:	None
Hazardous decomposition products:	None

11. TOXICOLOGICAL INFORMATION

Toxicity:	LD50+500mg/kg
Skin & Eye Contact:	Corrosive
Carcinogenicity:	DNA
Mutagenicity:	DNA
Reproductive Hazard:	DNA

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Fish:	Harmful
Aquatic Toxicity:	Daphnia:	Harmful
Aquatic Toxicity:	Algae:	Unknown
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

Product is not classified for any mode of transport.

15. REGULATORY INFORMATION

EEC hazard classification:	N/A
Risk Phases:	36, 37, 38
Safety Phases:	25
National Legislation:	N/A

16. OTHER INFORMATION

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