



MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: ALKASOLVE

COMPANY DETAILS

Name	EconoMart (Pty) Ltd	Tel:	011 849 3587
Website	www.economart.co.za	Fax:	086 698 0685
Postal Address	124 Simon Street, Benoni	e-mail	info@economart.co.za

1. Product Identification

Trade Name	Alkasolve	CAS No	DNA
Chemical Family	Alkaline salts	DOT ID	DNA
Chemical Name	Formulated Chemical	Hazchem code:	DNA
Product Use	Defatting	UN No.	DNA

2. Composition

CAS No	Hazardous Components	%	DOT ID
1310-73-2	Sodium Hydroxide	5-10	1823

3. Hazards Identification

Fire	Not flammable, can cause fire in presence of combustibles.
Inhalation	Difficulty in breathing.
Skin contact	Severe burning.
Eye contact	Severe burning.
Ingestion	Severe burning and destruction of mucous membranes.

4. First Aid Measures

Inhalation	Remove to fresh air.
Skin contact	Flush affected area with water for 15 minutes.
Eye contact	Flush for 15 minutes with water holding eye open. Seek med assistance.
Ingestion	Give lots of water/milk. Do NOT induce vomiting. Seek med assistance.

NEVER INDUCE VOMITING IF A PERSON IS HAVING CONVULSIONS OR IS UNCONSCIOUS

5. Fire Fighting Measures

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

6. Accidental Release Measures

Small spills	Dilute with water, neutralise and flush.
Large spills	Issue warning, corrosive, Restrict access, evacuate area. Disperse and flush.
General	


7. Handling & Storage

Storage	Cool area away from combustibles.
Handling	Normal handling procedures apply.

8. Exposure Controls/Personal Protection

Use gloves and eye protection when handling concentrate.

All information is given in good faith but without guarantee in respect of accuracy & no responsibility is accepted for errors or omissions or the consequences thereof.

9. Physical and Chemical Properties						
Appearance	Slightly viscous amber liquid.					
pH	>13.0					
Density	1.1					
Solubility (water)	100%					
10. Stability & Reactivity						
Stability	Stable under normal handling conditions.					
Incompatibility	None					
Hazardous decomp. products	Flammable gases form in contact with metal.					
11. Toxicological Information						
Toxicity	LD50 = 500mg/kg					
Skin & Eye contact	Corrosive					
Carcinogenity	DNA					
Mutagenicity	DNA					
Reproductive hazard	DNA					
12. Ecological Information						
Aquatic Toxicity	Harmful					
Rainbow trout	Harmful					
daphnia	Harmful					
algae	DNA					
BOD demand	None					
13. Disposal Methods						
Disperse, neutralise and flush.						
14. Transport Information						
Storage temp	Ambient					
Inert Atm	No requirement.					
Venting	Open or pressure vacuum.					
15. Regulatory Information						
NFPA hazard classification	<u>Health</u>	<u>3</u>	<u>Flammability</u>	<u>0</u>	<u>Reactivity</u>	<u>0</u>
Risk Identification	Corrosive material			Corrosive Material		
Safety	Corrosive to skin & eyes					
Contains	Sodium Hydroxide					
National legislation	DNA					
16. Other Information						
Issued by	M van der Merwe					
Signature						
Issued: 26-07-2001						
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