



Manufacturers & Suppliers of Industrial, Household & Specialised Chemicals

Unit 22b, 78 Craig Road, Anderbolt, Boksburg, Gauteng, SOUTH AFRICA

Website: www.sapolichem.co.za • e-Mail: sales@sapolichem.co.za

Telephone: + 27(0) 11 918 2955 • Fax: +27(0) 11 918 2956

SAFETY DATA SHEET

BIO-D RAW®

Section 1. Chemical Product and Company Identification

Product Name/ Trade Name	BIO-D RAW®	Product Code
		BIODRX0000
HS Code	3402.49	Material Uses:
		Bio-degradable, Water-based degreasing liquid
Chemical Name	WATER BASED DEGREASER	
Chemical Family	Alkali	
Chemical Formula	Formulated chemical	
Manufacturer & Supplier	SA Polichem (Pty) Ltd 22b, 78 Craig Road Anderbolt Industrial Area Boksburg SOUTH AFRICA • REG NO: 2002/015336/07	PO Box 16145 Atlasville 1465 South Africa In case of Emergency: 083 508 0724 / 011 918 2955

Section 2. Composition and Information on Ingredients

Substance Name	Cas No:	Concentration %	Hazard Statements:	Precautionary Statements:
Quaternary Coco alkylamine ethoxylate	61791-10-4	6 – 8	H318, H411	P273, P280, P305 + P351 + P338, P310, P391, P501
Alcohol ethoxylate	68439-46-3	9 - 11	H318	P280, P305+P351+P338

Section 3. Hazards Identification

Potential Acute Health Effects	Will dry skin out, no inhalation danger. Eye contact (Irritant). Ingestion (low acute toxicity)
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: No known data. MUTAGENIC EFFECTS: No known data. TERATOGENIC EFFECTS: No known data. DEVELOPMENTAL TOXICITY: No known data.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Finish by rinsing thoroughly with running water to avoid possible infection.
Skin Contact	Rinse with water, no medical attention needed.
Hazardous Skin Contact	No additional information.
Inhalation	Not likely to occur.
Hazardous Inhalation	No additional information.
Ingestion	Drink a few glasses of water or milk. Contact physician if larger quantities have been swallowed.
Hazardous Ingestion	No additional information.

Section 5. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Products of Combustion	N/A
Fire Hazards in Presence of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	Non-explosive.
Fire Fighting Media and Instructions	N/A
Special Remarks on Fire Hazards	Non-combustible.
Special Remarks on Explosion Hazards	Non – explosive.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill	Absorb with DRY earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed.

Section 7. Handling and Storage

Handling	The usual precautions for handling chemicals should be observed.
Storage	No special storage requirements.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Product does not contain relevant quantities of materials with exposure values that have to be monitored. Provide eyewash station.
Personal Protection	Face shield. Overalls. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Overalls. Boots. Gloves.
Exposure Limits	TWA: >2000 mg/m3 (Calculated value for mixture) Product considered essentially non-toxic.

Section 9. Physical and Chemical Properties

Physical state and appearance	Clear Amber/Brown Liquid.	Odour	Chemical
Molecular Weight	Not applicable.	Taste	No known data.
PH	12 -14	Colour	Amber/Brown
Boiling/ Condensation Point	Weighted average: 100 OC (212OF)		
Melting/Sublimation Point	N/A		
Critical Temperature	N/A		
Specific Gravity	1.045 – 1.075		
Vapour Pressure	N/A		
Vapour Density	N/A		
Volatility	Non-volatile.		
Odour Threshold	N/A		
Evaporation rate	Not tested.		
Viscosity	N/A		
Water/Oil Dist. Coeff.	The product is much more soluble in water.		
Solubility	Total in water.		

Section 10. Stability and Reactivity Data

Stability	Normally stable.
Instability Temperature	≥100°C
Conditions of Instability	Extreme heat
Incompatibility with Various Substances	Mildly reactive with acids. Non-reactive with oxidizing agents, reducing agents, combustible materials, organic materials, metals, alkalis.
Corrosivity	Not considered to be corrosive for metals.
Hazardous decomposition products	No typical hazardous decomposition products known.
Special Remarks on Corrosivity	None

Section 11. Toxicological Information

Routes of Entry	Eye contact. Ingestion. Skin contact.
Toxicity to Animals	Low toxicity for humans or animals.
Chronic Effects on Humans	Product considered low-toxic.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), skin contact (may dry out skin)
Special Remarks on Toxicity to Animals	Low toxicity for humans or animals.
Special Remarks on Chronic Effects on Humans	None-Product considered low toxicity.
Special Remarks on Other Toxic Effects on Humans	None-Product considered low toxicity.

Section 12. Ecological Information

Ecotoxicity	The organic components are considered eco-friendly.
Bio degradability	The hydrophobia in the non-ionic part has a Linearity of $\pm 80\%$ and is biodegradable.
Bio accumulation	No bioaccumulation is expected. The product is biodegradable and water soluble.
Toxicity of the Products of Biodegradation Degradation	Product not readily biodegradable (<60%). Unlikely to bioaccumulate. The product complies with the decree on surfactant biodegradability of the European Community. Readily biodegradable(>60%). Biodegradable in sea water (>70%) The product complies with the decree on surfactant biodegradability of the European community.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with Environmental Conservations Act 59 of 2008.
Waste Stream	Do not re-use containers. Puncture all plastic containers. Flatten all metal containers. Shred all bags.

Section 14. Transport Information

ADR Classification	Not controlled under ADR of the EEC.
Marine Pollutant	No
IMDG Classification	000000
Subsidiary Risk	None
CEFIC Tremcard	****
HS Code	3402-49
Special Provisions for Transport	Not classified as hazardous for transport. Not dangerous goods according to international transport regulations.

Section 15. Other Regulatory Information and Pictograms

International Regulations List	N/A		
Other Regulations	N/A		
Other Classifications	N/A		
	N/A		
Hazardous Material Information System (USA)	Health Hazard	0	N/A
	Fire Hazard	0	N/A
	Reactivity	0	N/A
	Personal Protection		N/A

Section 16. Other Information

References	
Other Special Considerations	This SDS is drafted in accordance with S.A. Occupational and Safety Act 85/1993, however, the product when used as directed, contains less than 10% of the hazardous constituents declared. At use concentrations therefore, the product is considered completely non-hazardous.
Information Contact	TOMEK LUBASINSKI - +2783 508 0724
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