

SAFETY DATA SHEET

PRODUCT NAME: BIO411-FC

<b>1. Product and Company identification</b>	
Product Name	BIO411 FC
Product Description	Environmentally Friendly Multi-purpose cleaner
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Mildly alkaline water white liquid
Components contributing to the hazard	Product is not classified as hazardous
Classification and hazard labelling	XI Irritant
Major hazard	Very mild Irritant
UN/ CAS	N/A
R-Phrases	R36, R38

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	XI Irritant (Mild)
Adverse human health affects	Slightly Irritating to eyes and skin
Environmental effects	None known
Physical hazard	Handle open container with care. At concentrations recommended for cleaning no significant effects occur

<b>4. First Aid Measures</b>	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure
Skin contact	Wash with large quantities of water
Eye contact	Keep eyes open and flush with clean water for at least 15 min.
Ingestion	Wash out mouth with water and give 200-300ml of water to drink.
Note to physician	May cause sensitisation of the skin. Treat symptomatically as for general detergent

<b>5. Fire fighting measures</b>	
Extinguishing media	Non flammable
Inappropriate distinguishing media	Not applicable
Specific hazards	None

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Special equipment for protection	None required
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<b>6. Accidental release measures</b>	
Personal precautions	Avoid eye contact and prolonged skin contact Do not ingest
Environmental precautions	None
Methods for cleaning up recovery	Flush with water
Neutralisation and disposal of spillage	No neutralisation required

<b>7. Handling and storage</b>	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not ingest, avoid eye and skin contact Ensure container is properly closed and not leaking
Storage	Keep container tightly closed in a dry secure area. Store away from food stuff. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

<b>8. Exposure controls/ Personal protection</b>	
<u>Control Parameters</u>	
Limit values	To be monitored at the work place
Biological standards	Refer to UN and R-Phrase numbers
Monitoring procedures	Keep container closed when not in use
Personal protective equipment	Refer to the S-Phrase data
Protective clothing	Wear PVC gloves, goggles and apron in abnormal conditions
Personal hygiene measures	Wash contaminated clothing before storage and re-use

<b>9. Physical and chemical properties</b>	
Form	Liquid
Colour	Water white to Pale Straw
Odour	Odourless
PH Value	11-12
Boiling point	Not ascertained
Flash point	Not applicable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	5mPa.s.
Specific gravity at 20°C	1.010 (+/- 0.02)

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% Volatile by volume	Not ascertained
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<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Avoid food stuff
Hazardous decomposition	No decomposition if stored and used in accordance with provisions for use

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	None known
Local effects	None known
Sensitisation	May cause irritation of the eyes and skin
Chronic toxicity	None known
Long term toxicity	None

<b>12. Ecological information</b>	
Possible environmental effects	No adverse effects
Behaviour and fate	Soluble in water Avoid large product spillage from entering waterways
Persistence/ Biodegradability	Biodegradable in water

<b>13. Disposal considerations</b>	
Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent - water

<b>14. Transport regulations</b>	
Packaging group	Product is not classified as hazardous, safe for any mode of transport

<b>15. Regulatory information</b>	
National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care as per UN2810
EEC hazard classification Risk phrases	R36 – Irritating to the eyes R38 – Irritating to the skin
EEC hazard classification Safety phrases	S7 – Keep container tightly closed S13 – Keep away from food, drink and animal feeding stuffs S18 – Open and handle container with care S24 – Avoid contact with skin S25 – Avoid contact with eyes

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	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice
	S27 – Remove contaminated clothing
	S28 – After contact with skin, rinse with plenty of water

**16. Additional information (e.g. special training or restrictions on the products use)**

Refer to product data sheet

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.