

MATERIAL SAFETY DATA SHEET Evolution

Hazardous according to criteria of NOHSC. Risk R35: Causes severe burns

IDENTIFICATION

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Product Name: **Evolution**
Product Code: RAL
Product Use: Automatic Machine Dishwashing
Detergent

COMPANY DETAILS

Company: Chemflo Pty Ltd
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COMPOSITION

CHEMICAL NAME	CAS NUMBER	PROPORTION	RISK PHRASES
Potassium Hydroxide	1310-58-3	1 - 10%	R21, R22
Alkaline Salts		10-20%	
Sequesterant polymer		<1%	
Dye		<1%	
Water		To 100%	

HAZARDS IDENTIFICATION

HEALTH EFFECTS - acute

Swallowed: Harmful or fatal. Causes severe burns to mouth, throat, oesophagus and stomach.
Eye: Highly corrosive. Burns can result in permanent injury and or loss of sight.
Skin: Corrosive, causes severe burns and skin damage.
Inhaled: Not normally an inhalation hazard due to non volatile nature of the product, and how used.
Chronic: Chronic effects may be dry skin and dermatitis

FIRST AID MEASURES

Swallowed: Rinse mouth thoroughly with water. Do not induce vomiting. Give water or milk. Seek medical attention. If breathing has stopped, give C.P.R.
Eye: Remove contact lenses, hold eyes open and irrigate with water for 15 minutes. Seek medical attention if symptoms persist.
Skin: Remove contaminated clothing. Wash skin with soap and water. If blistering, swelling, redness or irritation occurs seek medical attention.
Inhaled: Remove to fresh air
First Aid Facilities: Eye wash and safety shower
Advice to Doctor: Treat symptomatically as for alkaline materials. Consult Poisons Information Centre.



FIRE FIGHTING MEASURES

Fire:	Not considered to be a fire hazard.
Explosion:	Not considered to be an explosion hazard.
Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire.
Special Information:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

ACCIDENTAL RELEASE MEASURES

Spills + Disposals:	Avoid accidents, clean up immediately. Spills will be slippery. Contain spills absorb and place into containers for disposal.
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HANDLING + STORAGE

Storage + Transport:	Store according to best practice
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EXPOSURE CONTROLS, PERSONAL PROTECTION

Airborne Exposure Limits:	None established.
Ventilation System:	Normal ventilation.
Personal Respirators (NIOSH Approved):	Not required
Skin Protection:	Wear gloves if sensitive skin.
Eye Protection:	Use chemical safety goggles

PHYSICAL + CHEMICAL PROPERTIES

Appearance:	Red to amber dense liquid with no odour.	Boiling Point:	> 100°C
Melting Point:	N/A	Vapour Pressure:	N/A
Specific Gravity:	1.24	Flash Point:	N/A
Solubility in Water:	completely miscible at use proportions	Flammability Limits:	N/A

Other Properties

pH (1% solution)	13.0 -14.0
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STABILITY + REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.
Incompatibilities:	None known
Conditions to Avoid:	No information found

TOXICOLOGICAL INFORMATION

No available data



ECOLOGICAL INFORMATION

Environmental Fate: No information found.
Environmental Toxicity: No information found

DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

TRANSPORT INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: CAUSTIC ALKALI LIQUID N.O.S.
UN Number: 1719
Dangerous Goods Class: 8
Subsidiary Risk: None
HAZCHEM Code: 2R
Poison Schedule No: 6
Packaging Group: II

OTHER INFORMATION

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