

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	R-102 Flushing Concentrate	Other Names	None
Recommended Use	The intended or recommended use of this preparation is as a fire extinguishing agent.		
Supplier Name	Wormald	Address	Unit 1, 2-8 South Street Rydalmere, NSW 2116 AUSTRALIA
Telephone No.	133 166	Emergency Telephone No.	133 166 or 000
		Date Prepared	May 2008

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification	Not hazardous		
Safety Phrase(s)	26, 36	Risk Phrase(s)	36/37/38

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE		
Chemical Identity of the Pure Substance	Common Name / Synonyms	CAS Number
Not applicable	Not applicable	Not applicable
MIXTURE		
Chemical Identity of Ingredients	Proportion of Ingredients	CAS Number
Potassium Carbonate	>30 %	584-08-7
Potassium Acetate	18 %	127-08-2
Phenolphthalein	2 ppm	77-09-8
Water	About 52 %	7732-18-5

SECTION 4: FIRST AID MEASURES

Description of Necessary First Aid Measures	EYE CONTACT	Wash with water for a minimum of 15 minutes. If irritation persists, seek medical attention.
	SKIN CONTACT	Wash affected area with soap and water. If irritation persists, seek medical attention.
	INHALATION	Remove from exposure. If irritation persists, seek medical attention.
	INGESTION	Dilute by drinking large quantities of water.
Medical Attention and Special Treatment	See above	
Aggravated Medical Conditions Caused by Exposure	None known	

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	This is an extinguishing agent	Hazards From Combustion Products	Combustion or decomposition products include CO ₂ , CO, and acid fumes.
Special Protective Precautions and Equipment for Fire Fighters	None	Hazchem Code	Not hazardous

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Turn off or disconnect electrical sources in the immediate area. Prevent skin and eye contact.
Methods and Materials for Containment and Clean Up	Use an absorbent material such as diatomaceous earth, sawdust, etc., and sweep up. No harm to the environment is expected from an accidental release of this preparation.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling	Care should be taken in handling all chemical substances and preparations.
Conditions for Safe Storage, Including any Incompatibilities	No special conditions are needed for safe storage. Store in original container. Keep tightly closed until used. There is minimal danger to the environment from a storage release.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	Not applicable	Biological Limit Controls	Not available
Engineering Controls	Not available	Personal Protection Equipment	Chemical goggles, and chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Clear yellow liquid	Odour	Mild
pH	7.0 to 9.0	Vapour Pressure	Not determined
Vapour Density (air = 1)	1.03	Boiling Point / Range	113°C
Freezing / Melting Point (specify)	Not available	Solubility in Water	Completely soluble
Specific Gravity or Density	1.53	Flash Point	None to boiling
Upper and Lower Flammable (explosive) Limits in Air	Not explosive	Ignition Temperature	Does not ignite

SECTION 10: STABILITY AND REACTIVITY			
Chemical Stability	Stable	Conditions to Avoid	None
Incompatible Materials	Reactive metals may react with water in this preparation. ClF ₃ will react. Energized electrical equipment may cause a shock hazard when this fire extinguishing agent is used.	Hazardous Decomposition Products	Combustion or decomposition products include CO ₂ , CO, and acrid fumes.
Hazardous Reactions	None		

SECTION 11: TOXICOLOGICAL INFORMATION			
Health Effects From the Likely Routes of Exposure	EYE CONTACT	Irritant. Prolonged contact can cause chemical burns.	
	SKIN CONTACT	Irritant. Prolonged contact can cause chemical burns.	
	INHALATION	Not a likely route of entry. Can be irritating to mucous membranes.	
	INGESTION	Irritating to mucous membranes.	
Acute Overexposure	See above		
Chronic Overexposure	No data available		

SECTION 12: ECOLOGICAL INFORMATION			
Ecotoxicity	Not determined		
Mobility	Not determined		
Persistence and Degradability	Not determined		
Bioaccumulative Potential	Not determined		
Environmental Fate (Exposure)	Ozone depletion potential:	None	
	Photochemical ozone creation potential:	None	
	Global warming potential:	None	

SECTION 13: DISPOSAL CONSIDERATIONS	
Disposal Methods and Containers	No harm to the environment is expected from this preparation. Dispose of in compliance with local, state and Commonwealth regulations.
Special Precautions for Landfill or Incineration	There are no special precautions known. No harm to the environment is expected from this preparation.

SECTION 14: TRANSPORT INFORMATION			
UN Number	Not applicable	UN Proper Shipping Name	Not applicable
Class and Subsidiary Risk	Not applicable	Packing Group	Not applicable
Special Precautions for User	None	Hazchem Code	Not hazardous

SECTION 15: REGULATORY INFORMATION	
The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation.	Not available

SECTION 16: OTHER INFORMATION	
Date of Preparation	May 2008

END OF MSDS