



ANSUL INCORPORATED
MARINETTE, WI 54143-2542

MATERIAL SAFETY DATA SHEET

R-102 FLUSHING CONCENTRATE

QUICK IDENTIFIER (In Plant Common Name)

Manufacturer's Name:	ANSUL INCORPORATED	Emergency Telephone No.:	CHEMTREC (800) 424-9300 or (703) 527-3887
Address:	One Stanton Street, Marinette, WI 54143-2542	Other Information Calls:	(715) 735-7411
Prepared By:	Safety and Health Department	Date Prepared:	June, 2001

SECTION 1 – IDENTITY

Common Name: (used on label) (Trade Name and Synonyms)	R-102 Flushing Concentrate	CAS No.:	N/A
Chemical Name:	N/A This is a Mixture	Chemical Family:	Mixture
Formula:	N/A		

SECTION 2 – INGREDIENTS

PART A – HAZARDOUS INGREDIENTS				
Principal Hazardous Component(s) (chemical and common name(s)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Potassium Carbonate	30-35	584-08-7	N/E	Oral LD ₅₀ (rat) 1870 mg/kg
PART B – OTHER INGREDIENTS				
Other Component(s) (chemical and common name(s)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Potassium Acetate	18	127-08-2	N/E	Oral LD ₂ (rat) 3250 mg/kg
Yellow Food Color	344 ppm	N/E	N/E	NDA
Water	Approx. 50	7732-18-5	N/E	NDA

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS (Fire and Explosion Data)

Boiling Point:	113 °C	Specific Gravity (H ₂ O = 1):	1.53	Vapor Pressure (mm Hg):	Not Determined
Percent Volatile by Volume (%):	Approx. 50	Vapor Density (Air = 1):	1.03	Evaporation Rate (Butyl Acetate = 1):	Approx. 0.005
Solubility in Water:	100%	Reactivity in Water:	Mild exothermic reaction		
Appearance and Odor:	Yellow colored liquid, mild odor				
Flash Point:	None to boiling	Flammable Limits in Air % by Volume:	N/A	Extinguisher Media:	N/A
Auto-Ignition Temperature:	N/A				
Special Fire Fighting Procedures:	None				
Unusual Fire and Explosion Hazards:	None				

SECTION 4 – PHYSICAL HAZARDS

Stability:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid:	N/A
Incompatibility (Materials to Avoid):	Reactive metals, ClF ₃ , electrically energized equipment, any material reactive with water.			
Hazardous Decomposition Products:	Not established, acrid fumes.			
Hazardous Polymerization:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:	N/A

SECTION 5 – HEALTH HAZARDS

R-102 FLUSHING CONCENTRATE (Continued)

Threshold Limit Value:	None Established	
Routes of Entry: Eye Contact:	Irritant. Prolonged contact can cause chemical burns.	
Skin Contact:	Irritant. Prolonged contact can cause chemical burns.	
Inhalation:	Not an expected route of entry. Can be irritating to mucous membranes.	
Ingestion:	Irritating to mucous membranes.	
Signs and Symptoms:	Acute Overexposure:	Due to alkaline nature, material irritates skin, eyes, and all mucous membranes. Prolonged contact may cause skin burns.
	Chronic Overexposure:	None known.
Medical Conditions Generally Aggravated by Exposure:	None known.	
Chemical Listed as Carcinogen or Potential:	National Toxicology Program: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> OSHA: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

SECTION 6 – EMERGENCY AND FIRST AID PROCEDURES

Eye Contact:	Flush and irrigate with water for 15 minutes while holding eyelids open. If irritation persists, seek Medical attention.
Skin Contact:	Wash thoroughly with soap and water; if irritation persists, seek Medical attention.
Inhalation:	Fresh air if symptoms occur. Seek Medical attention if irritation persists.
Ingestion:	Dilute by drinking large quantities of water.


SECTION 7 – SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):	N/A		
Ventilation:	Local Exhaust: N/A	Mechanical (General):	N/A
Protective Gloves:	Rubber gloves for spill/leak.	Eye Protection:	Chemical goggles recommended during flushing procedures.
Other Protective Clothing or Equipment:	Eye wash and safety showers are good safety practice.		

SECTION 8 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage:	Store in original container. Keep tightly closed. Keep separate from acid.
Other Precautions:	See incompatibility information in Section 4.
Steps to be Taken in Case Material is Released or Spilled:	Stop leaks. Contain Spill. Remove as much as possible. Place in closed container for proper disposal. Wash spill area with large amounts of water to remove traces and neutralize.
Waste Disposal Methods:	Dispose of in compliance with local, state, and federal regulations.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS

HAZARD INDEX: 4 Severe Hazard 3 Serious Hazard 2 Moderate Hazard 1 Slight Hazard 0 Minimal Hazard	1 HEALTH 0 FLAMMABILITY 0 REACTIVITY	WHMIS RATING:  D2B – Product may irritate skin or mucous membrane.
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N/A = Not Applicable

NDA = No Data Available

N/E = None Established

MSDS AVAILABILITY

MSDS AVAILABLE AT www.ansul.com

MSDS FAX ON DEMAND: 1-800-323-8493 or 715-735-7411, extension 3091

AGENT

INDEX NUMBER

R-102 FLUSHING CONCENTRATE

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ANSUL is a registered trademark.

ANSUL INCORPORATED, ONE STANTON STREET, MARINETTE, WI 54143-2542

715-735-7411

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