

MATERIAL SAFETY DATA SHEET – CRACK FLUSH

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Information

Product Name: Ready-to-Use Crack Flush
Chemical Family: Acid
Application: Cleaning Solution
Supplier: Multiurethanes Ltd.
5245 Creekbank Road, Mississauga, ON L4W 1N3
Telephone: 905-564-7650
Fax: 905-564-7998
24 Hour Emergency Contact: 613-996-6666 (CANUTEC)

MSDS Preparation Information

Revision Date: July 2nd, 2015
Prepared By: Multiurethanes Ltd, Mississauga, ON L4W 1N3
Telephone: 905-564-7650

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
Phosphoric Acid	7664-38-2	> 75 - 85 %

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview Ingredient

Clear liquid; highly corrosive, causes severe burns and respiratory irritation

Potential Health Effects

Eye Contact: Severe damage including burns and blindness
Skin Contact: Severe irritation including corrosive burns
Inhalation (acute): Severe irritation
Inhalation (chronic): Will not occur
Ingestion: Severe irritation including corrosive damage or perforations

SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush with water; if irritation occurs, seek medical attention
Skin Contact:	Flush skin with water; cover with sterile dressing; seek medical attention
Inhalation:	Move to fresh air; if difficult breathing occurs, seek medical attention
Ingestion:	Seek medical attention; rinse mouth; do not induce vomiting

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	Will not ignite
Extinguishing Media:	Dry chemical; alcohol resistant foam; water spray
Special Fire Fighting Instructions:	Wear full protective equipment; including SCBA

SECTION 6: ACCIDENTAL RELEASE MEASURES

General:	Dilute spill area with water; use conventional absorbents
Waste Disposal:	Dispose according to local regulations

SECTION 7: HANDLING AND STORAGE

Storage:	Store in a dry location
Handling:	Handle with care

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Engineering Controls:	Not required for typical applications
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Personal Protective Equipment (PPE)

Eye/Face Protection:	Safety glasses with side shields; emergency eye-wash kits readily available; face shield for high-pressure spray hazards
Skin Protection:	Impermeable gloves, boots, and apron; protective clothing with long sleeves and long pants
Respiratory Protection:	Not required for typical applications

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Appearance:	Clear liquid
Colour:	Clear
Odour:	None
Boiling Point:	135°C
Melting/Freezing Point:	- 46.3°C
Solubility in Water:	Soluble
Specific Gravity:	1.53 - 1.69
Bulk Density:	1.03 g/ml
% Volatiles by Volume:	Not determined
pH:	1.25
Vapour Pressure:	5.7
Vapour Density:	3.4

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibles:	Avoid contact with metals, acids, oxidizing agents, reducing agents, halogenated materials, alkalies.
Decomposition Product:	Corrosive compounds; burning may produce oxides of phosphorus and phosphoric anhydride.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	
Oral LD50:	> 3500 mg/kg
Dermal LD50:	> 1260 mg/kg
Inhalation LC50:	Not determined
Eye Effects:	Severe irritation
Skin Effects:	Corrosion
Sensitization:	No effect
Chronic toxicity:	Dermatitis
Carcinogenicity:	Not effect
Mutagenicity:	No effect

SECTION 12: ECOLOGICAL INFORMATION

Evidence of aquatic toxicity. Avoid environmental contamination.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

UN1805; Class 8; Packing group 8

SECTION 15: REGULATORY INFORMATION

OSHA status:	Hazardous; irritant; corrosive
TSCA status:	Components are listed on TSCA Inventory
CERCLA reportable quantity:	Not applicable for typical product application
SARA Title III Section 302:	Extremely hazardous substances - no known reportable constituents
SARA Title III Section 311/312:	Hazard categories- acute health hazard; chronic health hazard
SARA Title III Section 313:	Toxic Chemical Release Reporting - not applicable
RCRA status:	It is the responsibility of the product user to determine, at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

SECTION 16: OTHER INFORMATION

WHMIS (Workplace Hazardous Material Identification System) Rating:

Class E - Corrosive Material

NFPA (National Fire Protection Agency) Rating:

Health	Flammability	Reactivity	Other
3	0	0	0

NAERG (North American Emergency Response Guide) Rating:

154

End of MSDS