

MATERIAL SAFETY DATA SHEET – UNIVERSAL ACCELERATOR

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Information

Product Name: Universal Accelerator
Chemical Family: Amines
Application: Accelerator for Chemical Grout
Supplier: Multiurethanes Ltd.
5245 Creekbank Road, Mississauga, ON L4W 1N3
Telephone: 905-564-7650
Fax: 905-564-7998
Emergency Contact: 1-800-663-6633

MSDS Preparation Information

Revision Date: July 21, 2011
Prepared By: Multiurethanes Ltd, Mississauga, ON L4W 1N3
Telephone: 905-564-7650

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
Coco Alkyldimethyl Amines	61788-93-0	< 50%
Di-isobutyl Phthalate	84-69-5	< 60%

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview Ingredient

Clear to light yellow liquid; fishy odour; hazardous

Potential Health Effects

Eye Contact: Irritation
Skin Contact: Irritation
Inhalation (acute): Irritation
Inhalation (chronic): Sensitization
Ingestion: May be poisonous

SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush with water; if irritation occurs, seek medical attention
Skin Contact:	Wash with soap and water; if irritation occurs, seek medical attention
Inhalation:	Move to fresh air; if difficult breathing occurs, seek medical attention
Ingestion:	Seek medical attention; drink water; do not induce vomiting

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	150°C
Extinguishing Media:	Dry chemical; carbon dioxide; foam; water spray
Special Fire Fighting Instructions:	Wear full protective equipment, including SCBA; keep containers cool with water spray

SECTION 6: ACCIDENTAL RELEASE MEASURES

General:	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
-----------------------	---------------------------------------

Personal Protective Equipment (PPE)

Eye/Face Protection:	Safety glasses with side shields; emergency eye-wash kits readily available
Skin Protection:	Impermeable gloves; 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:	Pale yellow liquid
Colour:	Clear to pale yellow
Odour:	Fishy
Boiling Point:	Not determined
Melting/Freezing Point:	Not determined
Solubility in Water:	Insoluble
Specific Gravity:	0.94
Bulk Density:	0.94 g/ml
% Volatiles by Volume:	Not determined
pH:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibles:	Avoid contact with strong oxidizers and alkalis
Decomposition Product:	Carbon monoxide, carbon dioxide, nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral LD50:	> 4000 mg/kg in rats
Dermal LD50:	> 8000 mg/kg in rabbits
Inhalation LC50:	Not determined
Eye Effects:	Irritation
Skin Effects:	Prolonged exposure may cause irritation
Sensitization:	Chronic inhalation will cause lung sensitization
Chronic toxicity:	Not determined
Carcinogenicity:	Not determined
Mutagenicity:	Not determined

SECTION 12: ECOLOGICAL INFORMATION

Avoid environmental contamination.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

Proper Shipping Name:	Amines, liquid, corrosive, n.o.s (Fatty Acid Derived Amines)
Hazard Class or Division:	8
UN/NA number:	UN 2735
Packaging Group:	III
Hazard Label(s):	Corrosive (8)

SECTION 15: REGULATORY INFORMATION

OSHA status:	Hazardous; irritant
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 and D2B - Corrosive Material and Toxic Material

NFPA (National Fire Protection Agency) Rating:

Health	Flammability	Reactivity	Other
3	1	1	0

NAERG (North American Emergency Response Guide) Rating:

153

End of MSDS