

## MATERIAL SAFETY DATA SHEET – FLEXIBLE ACCELERATOR

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Product Information

Product Name: Flexible Accelerator  
Chemical Family: Amines  
Application: Accelerator for Chemical Grout  
Supplier: Multiurethanes Ltd.  
6214 Kestrel Road, Mississauga, ON L5T 1Y9  
Telephone: 905-564-7650  
Fax: 905-564-7998  
Emergency Contact: 1-800-663-6633

#### MSDS Preparation Information

Revision Date: September 14, 2009  
Prepared By: Multiurethanes Ltd, Mississauga, ON L5T 1Y9  
Telephone: 905-564-7650

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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

### SECTION 3: HAZARDS IDENTIFICATION

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#### 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

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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

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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

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General:	Use conventional absorbents
Waste Disposal:	Dispose according to local regulations

## SECTION 7: HANDLING AND STORAGE

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

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### 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
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

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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

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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

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### 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

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Avoid environmental contamination.

## SECTION 13: DISPOSAL CONSIDERATIONS

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Dispose according to local regulations.

## SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

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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

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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**

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**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
<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>

**NAERG (North American Emergency Response Guide) Rating:**

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**End of MSDS**