

SAFETY DATA SHEET – UNIVERSAL ACCELERATOR

SECTION 1. IDENTIFICATION

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| Product Identifier | Universal Accelerator |
| Other Means of Identification | Accelerator for chemical grout |
| Recommended Use | Industrial use, professional use only |
| Restrictions on Use | None known |
| Supplier Identifier | Multiurethanes Ltd. 5245 Creekbank Rd, Mississauga, ON L4W 1N3 |
| Emergency Telephone Number | 1-800-663-6633 24hr Service - 613-996-6666 (CANUTEC) |

SECTION 2. HAZARD IDENTIFICATION

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| Classification | Acute Toxicity (Oral) – Category 4 Skin Corrosion - Category 1B Serious Eye Damage - Category 1 Reproductive Toxicity – Category 1B Acute Aquatic Toxicity - Category 1 |
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This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Label Elements
Hazard Pictograms



Signal Word Danger

Hazard Statements

Causes severe skin burns and eye damage.
Harmful if inhaled/swallowed.
May damage fertility or the unborn child.
Very toxic to aquatic life.

Precautionary Statements

Wear appropriate protective equipment.
Avoid breathing fume/mist/vapours.
Wash hands and exposed skin after handling.
IF ON SKIN: Wash with soap and water.
Seek medical attention.
IF IN EYES: Rinse with water. Seek medical attention.
IF INHALED: Remove person to fresh air.
Seek medical attention.

Other Hazards

Not available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration | Common Names / Synonyms |
|------------------------------|----------------|----------------------|------------------------------------|
| Di-isobutyl Phthalate | 84-69-5 | <60% | Not available |
| Coco Alkyldimethyl Amines | 61788-93-0 | <50% | Cocodimethylamine |

Notes

Not available

SECTION 4. FIRST-AID MEASURES**Inhalation**

Immediately remove person to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

Skin Contact

Wear appropriate protective equipment. Immediately remove all contaminated clothing. Wash skin with 0.5% acetic acid in water, and then soap and water. Seek immediate medical attention.

Eye Contact

Immediately rinse eyes with 0.5% acetic acid in water for a few minutes, followed by rinsing with plenty of water. Remove contact lenses. Seek immediate medical attention.

attention and continue to rinse during transport of patient.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink one to two glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Most Important Symptoms and Effects (Acute or Delayed)

May cause chemical burns in mouth and throat. Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Burns may occur several hours after the removal of the product. Skin irritation, if untreated, may be prolonged and serious (e.g. necrosis).

Immediate Medical Attention and Special Treatment

Immediate medical attention is required. Treat symptomatically. Skin irritation may be prevented by early treatment with medium strength corticosteroids.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use media suitable to the surrounding fire such as water fog or fine spray, carbon dioxide and dry chemical. May react with water.

Unsuitable Extinguishing Media

Use water spray with caution. Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Product

Treat as oil fire. Water spray may be ineffective unless used by experienced firefighters.

Special Protective Equipment and Precautions for Firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Use water to cool fire-exposed containers. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to section 8 for additional information on acceptable personal protective equipment. Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods for Containment and Cleaning Up

Divert contaminated water and pump into containers for disposal. Dike area around spill to contain material. Remove material in liquid form if possible. If removal as a liquid is not possible, absorb in clay, sand or other commercial absorbent for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Refer to section 8 for additional information on acceptable personal protective equipment. Do not breathe fumes, mists or vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Conditions for Safe Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Avoid elevated temperatures. Reacts with copper, aluminum, zinc and their alloys.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Control Parameters | Not available |
| Appropriate Engineering Controls | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Keep solutions of 0.5% acetic acid in water close at hand. Ensure adequate ventilation, especially in confined areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ensure all national/local regulations are observed. |
| Individual Protection Measures | In the case of vapour or aerosol formation, use a respirator with an approved filter. A self-contained breathing apparatus should be used in emergency situations or instances where exposure levels are not known. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Impervious gloves must be worn when using this product. Wear as appropriate: Butyl rubber; Nitrile rubber. Wear chemically protective gloves (impervious), boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Chemical splash goggles must be worn when handling this material. A full face shield may also be necessary. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Clear colourless to pale yellow liquid |
| Odour | Amine-like, fishy |
| Odour Threshold | Not available |
| pH | Not available |

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| Melting Point/Freezing Point | Not available |
| Initial Boiling Point/Boiling Range | Not available |
| Flash Point | 150°C (302°F) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not available |
| Upper/Lower Flammable/Explosive Limit | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Relative Density | 0.94 g/ml |
| Solubility in Water | Insoluble |
| Solubility in Other Liquids | Not available |
| Partition Coefficient, n-Octanol / Water | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available |

SECTION 10. STABILITY AND REACTIVITY

Reactivity Stable under normal conditions.

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| Chemical Stability | Stable under recommended handling and storage conditions (refer to section 7). |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur. |
| Conditions to Avoid | Temperature extremes and direct sunlight. |
| Incompatible Materials | Oxidizing agents, acids, copper, aluminum, zinc and their alloys. |
| Hazardous Decomposition Products | None known |

SECTION 11. TOXICOLOGICAL INFORMATION

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| Acute Toxicity | This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Acute Toxicity (Oral) – Category 4 Harmful if swallowed. |
| LD50 and LC50 Data | Refer to individual mixture ingredients. |
| Skin Corrosion/Irritation | This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Skin Irritation - Category 1 Causes severe skin burns and eye damage. |
| Serious Eye Damage/Irritation | This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Eye Damage/Irritation - Category 1 Causes serious eye damage. |
| Respiratory or Skin Sensitization | Not expected to be a skin or respiratory sensitizer. |
| Germ Cell Mutagenicity | Not expected to be mutagenic in humans. |
| Teratogenicity | Not available |

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| Carcinogenicity | No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP. |
| Specific Target Organ Toxicity (Single Exposure) | Not available |
| Specific Target Organ Toxicity (Repeated Exposure) | Not available |
| Reproductive Toxicity | Not available |
| Aspiration Hazard | May cause severe irritation to the nose, throat and respiratory tract. May cause severe irritation and corrosive damage in the mouth, throat and stomach. |
| Symptoms/Injuries After Inhalation | Not available |
| Symptoms/Injuries After Skin Contact | This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Skin Corrosion - Category 1B Causes severe skin burns. |
| Symptoms/Injuries After Eye Contact | This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Eye Damage/Irritation - Category 1 Causes serious eye damage. |
| Symptoms/Injuries After Ingestion | Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death. |
| Chronic Symptoms | Chronic skin contact with low concentrations may cause dermatitis. |

SECTION 12. ECOLOGICAL INFORMATION

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| Ecotoxicity | The ecological characteristics of this product have not been fully investigated however it is considered a marine |
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pollutant. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Persistence and Degradability Readily biodegradable.

Bioaccumulative Potential Not available

Mobility in Soil Not available

Other Adverse Effects Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | UN Proper Shipping Name | Transport Hazard Class | Packing Group |
|------------|--------|-----------------------------------|------------------------|---------------|
| TDG | UN2735 | AMINES, LIQUID, CORROSIVE, N.O.S. | 8 | III |

Special Precautions Not applicable

Environmental Hazards Refer to section 12.

Transport in Bulk May be shipped as LIMITED QUANTITY. Please refer to transportation of dangerous goods guidelines for your area.

SECTION 15. REGULATORY INFORMATION

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| OHSA Status | Toxic by ingestion; Corrosive to skin; Corrosive to eyes; Corrosive to respiratory system. |
| TSCA Status | Components are listed on TSCA Inventory. |
| CERCLA Reportable Quantity | Not applicable for typical product application. |
| SARA Title III Section 302 | No chemicals in this product are subject to these reporting requirements. |
| SARA Title III Section 311/312 | Hazards – Acute Health Hazard |
| SARA Title III Section 313 | This product does not contain any chemical components with known CAS numbers that exceed the established threshold reporting levels. |
| 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. |
| WHMIS Rating | Acute Toxicity (Oral) – Category 4 Skin Corrosion - Category 1B Serious Eye Damage - Category 1 Reproductive Toxicity – Category 1B Acute Aquatic Toxicity - Category 1 |
| NAERG Rating | 153 |

SECTION 16. OTHER INFORMATION

Date of Latest Revision May 23, 2017