

## SAFETY DATA SHEET – MME FLEXIBLE ACCELERATOR

### SECTION 1. IDENTIFICATION

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<b>Product Identifier</b>	MME Flexible Accelerator
<b>Other Means of Identification</b>	Flex Accelerator; Flexible Accelerator
<b>Recommended Use</b>	Catalyst for accelerating the reaction time of MME Flexible Resin.
<b>Restrictions on Use</b>	Professional use only
<b>Supplier Identifier</b>	Multiurethanes Ltd. 5245 Creekbank Rd, Mississauga, ON L4W 1N3 (Canada)
<b>Emergency Telephone Number</b>	1-800-663-6633

### SECTION 2. HAZARD IDENTIFICATION

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**Classification** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious Eye Damage/Eye Irritation - Category 2A

**Label Elements**

Hazard Pictogram



Signal Word  
WARNING

Hazard Statement  
Causes serious eye irritation.

Precautionary Statements  
**Prevention**

Wear appropriate protective equipment.  
Wash hands thoroughly after handling.

**Response**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

**Storage**  
Not applicable

**Disposal**  
Not applicable

**Other Hazards** None known

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (% by weight)</u>	<u>Common Names / Synonyms</u>	<u>Other Identifiers</u>
2,2'-Dimorpholinyl diethyl ether	6425-39-4	45 – 70%	Not available	Not available

#### Notes

The exact percentage (concentration) in the composition has been withheld as a trade secret following the amended HPR as of April 2018 (Canada) and with paragraph (i) of §1910.1200. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

### SECTION 4. FIRST-AID MEASURES

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#### Inhalation

Remove the victim to fresh air and keep them at rest comfortably for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Seek medical attention if adverse health effects persist or are severe. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. Symptoms may be delayed in the inhalation of decomposition products during a fire. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Skin Contact

Flush contaminated skin with plenty of water. Seek medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Seek medical attention.

#### Ingestion

Wash out mouth with water. Remove dentures, if any. Remove the victim to fresh air and keep them at rest comfortably for breathing. If the material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick, as vomiting may be dangerous. Do not induce vomiting unless medical personnel instruct it. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

#### Most Important Symptoms and Effects, Acute and Delayed

Causes serious eye irritation. Adverse symptoms may include pain, irritation, watering, and redness.

#### Indication of Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Symptoms may be delayed in the inhalation of decomposition products during a fire. The exposed person may

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need to be kept under medical surveillance for 48 hours.

### SECTION 5. FIRE-FIGHTING MEASURES

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<b>Extinguishing Media</b>	<u>Suitable Extinguishing Media</u> Use an extinguishing agent suitable for the surrounding fire.  <u>Unsuitable Extinguishing Media</u> None known
<b>Specific Hazards Arising from the Product</b>	Decomposition products may include carbon dioxide, carbon monoxide, and nitrogen oxides.
<b>Special Protective Equipment and Precautions for Firefighters</b>	If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece in positive pressure mode.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear an appropriate respirator when ventilation is inadequate. Use appropriate personal protective equipment.
<b>Methods and Material for Containment and Cleaning Up</b>	Small spill: Stop leak if without risk. Move containers from the spill area. Dilute with water and mop up if water-soluble. If water-insoluble, absorb it with an inert dry material and place it in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  Large spill: Stop leak if without risk. Move containers from the spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant and proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g., sand, earth, vermiculite or diatomaceous earth and place it in a container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
<b>Notification Procedures</b>	Not available
<b>Environmental Precautions</b>	Avoid dispersal of spilled material, runoff, and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

### SECTION 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Put on appropriate personal protective equipment (refer to section 8). Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour
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or mist. Keep it in the original container or an approved alternative made from a compatible material, and keep it tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse the container. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking, and smoking.

### Conditions for Safe Storage (including incompatibilities)

Store in accordance with local regulations. Store in the original container protected from sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (oxidizing materials) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Control Parameters – Occupational Exposure Limits

Not available

### Appropriate Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual Protection Measures

#### Eye/Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates it is necessary to avoid exposure to liquid splashes, mists, gases, or dust. If contact is possible, the following protection should be worn unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin Protection

If a risk assessment indicates this is necessary, chemical-resistant, impervious gloves complying with an approved standard should always be worn when handling chemical products. Considering the parameters specified by the glove manufacturer, check that the gloves retain their protective properties during use. It should be noted that the time to breakthrough for any glove material may differ for different manufacturers. In the cases of mixtures consisting of several substances, the protection time of the gloves cannot be accurately estimated. Personal protective equipment for the body should be selected based on the task and the risks involved and approved by a specialist before handling this product. Appropriate footwear and additional skin protection measures should be chosen based on the task and the risks involved and approved by a specialist before handling this product.

#### Respiratory Protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other essential uses.

#### Hygiene Measures

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, using the lavatory, and at the end of

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the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing it. Ensure that eyewash stations and safety showers are nearby.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear to pale yellow amber liquid
<b>Odour</b>	Mild amine
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point / Freezing Point</b>	Not available
<b>Initial Boiling Point and Boiling Range</b>	Not available
<b>Flash Point</b>	>93.3°C (>199.9°F) (closed cup method)
<b>Evaporation Rate (BuAe = 1)</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/Lower Flammability or Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.014 to 1.02
<b>Solubility in Water</b>	Not available
<b>Solubility (other)</b>	Not available
<b>Partition Coefficient, n-octanol / water (logKow)</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Dynamic (room temperature): 32 to 51 mPa·s (32 to 51 cP)

### SECTION 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	No specific test data related to reactivity is available for this product or its ingredients.
<b>Chemical Stability</b>	Stable under recommended handling and storage conditions (refer to section 7).

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<b>Possibility of Hazardous Reactions</b>	Under normal conditions, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	Avoid extreme heat and direct sunlight.
<b>Incompatible Materials</b>	Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous Decomposition Products</b>	Carbon oxides and nitrogen oxides.

### SECTION 11. TOXICOLOGICAL INFORMATION

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<b>Toxicological Data</b>	Not available
<b>Acute Toxicity</b>	Not available
<b>Respiratory and/or Skin Sensitization</b>	Not available
<b>Skin Corrosion / Irritation</b>	Not available
<b>Serious Eye Damage / Irritation</b>	Not available
<b>Specific Target Organ Toxicity - Single Exposure</b>	Not available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Not available
<b>Reproductive Toxicity</b>	No known significant effects or critical hazards.
<b>Germ Cell Mutagenicity</b>	No known significant effects or critical hazards.
<b>Aspiration Hazard</b>	Not available
<b>Information on Likely Routes of Exposure</b>	<u>Inhalation</u> Yes  <u>Skin Contact</u> Yes  <u>Eye Contact</u> Yes  <u>Ingestion</u> Yes
<b>Signs and Symptoms of Exposure</b>	<u>Inhalation</u> No known significant effects or critical hazards.  <u>Skin Contact</u> No known significant effects or critical hazards.  <u>Eye Contact</u> Causes serious eye irritation. Adverse symptoms may include pain, irritation, watering, and redness.

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Ingestion  
No known significant effects or critical hazards.

**Potential Chronic Health Effects**      No known significant effects or critical hazards.

**Carcinogenicity**                              No known significant effects or critical hazards.

### SECTION 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**                                      Not available

**Persistence and Degradability**          Not available

**Bioaccumulative Potential**                Not available

**Mobility in Soil**                              Not available

**Other Adverse Effects**                      No known significant effects or critical hazards.

### SECTION 13. DISPOSAL CONSIDERATIONS

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**Disposal Methods**                            The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and by-products should comply with environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated in the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of safely. Care should be taken when handling empty containers not cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material, runoff, and contact with soil, waterways, drains and sewers.

### SECTION 14. TRANSPORT INFORMATION

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<u>Regulation</u>	<u>UN No.</u>	<u>Proper Shipping Name</u>	<u>Technical Name (for N.O.S. entry)</u>	<u>Transport Hazard Class(es)</u>	<u>Packing Group</u>
TDG	None	Not regulated	Not regulated	Not regulated	Not regulated
49 CFR/DOT	None	Not regulated	Not regulated	Not regulated	Not regulated
IMDG	None	Not regulated	Not regulated	Not regulated	Not regulated
ICAO/IATA	None	Not regulated	Not regulated	Not regulated	Not regulated

**Tariff Classification Number**            2921.11.0000

**Special Precautions**                        For transport within the user’s premises, always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do during an accident or spillage.

**Environmental Hazards**                    Refer to section 12.

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available

### SECTION 15. REGULATORY INFORMATION

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#### Canadian Information

Canada inventory (DSL/NDSL)  
All components are listed or exempted.

NPRI; CEPA Toxic substances  
None of the components are listed.

#### US Information

TSCA 8(a) CDR Exempt/Partial exemption  
Not determined

United States Inventory (TSCA 8b)  
All components are active or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs); Clean Air Act Section 602 Class I Substances; Clean Air Act Section 602 Class II Substances; DEA List I Chemicals (Precursor Chemicals); DEA List II Chemicals (Essential Chemicals)  
Not listed

SARA 302/304  
No products were found.

SARA 311/312  
Serious Eye Damage/Eye Irritation - Category 2A

2,2'-Dimorpholinyl diethyl ether  
Serious Eye Damage/Eye Irritation - Category 2A

State Regulations (MA, NY, NJ, PA)  
None of the components are listed.

State Regulation (California Prop. 65)  
This product does not require a Safe Harbor warning under California Prop. 65.

#### International Information

Chemical Weapon Convention List Schedules I, II & III Chemicals; Montreal Protocol; Stockholm Convention on Persistent Organic Pollutants; Rotterdam Convention on Prior Informed Consent (PIC); UNECE Aarhus Protocol on POPs and Heavy Metals  
Not listed

### SECTION 16. OTHER INFORMATION

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**Date of Latest Revision** December 12, 2024

**Disclaimer** The information provided in this document is correct to the best of our knowledge, information, and belief at the date of its publication. This information is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. This information



## **SAFETY DATA SHEET – MME FLEXIBLE ACCELERATOR**

is designed only as general guidance and should not be considered a warranty or quality specification. This information relates only to the specific material designated. Unless specified above, it may not be valid for such material used in combination with other materials or in any process.

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**END OF SAFETY DATA SHEET**