



Safety Data Sheet

Version 7.0
Revision Date: 26/04/2021

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **Oligo(ethylene glycol) methyl etherr, α -acrylate-terminated**
 Product abbreviation: EGOCH3A
 Product use: For laboratory research purposes.
 Supplier / Manufacturer: Polymer Source, Inc.
 Address: 124 Avro street, Dorval (Montreal), Quebec H9P 2X8, Canada
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2. HAZARDS IDENTIFICATION

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Assessment is based on product(s) with similar chemical character.

Emergency overview: WHMIS classification: Not WHMIS controlled.
 GHS classification: Skin corrosion / irritation (Category 3).
 GHS Label elements, including precautionary statements:
 Pictogram: None
 Signal word: Warning
 Hazard statements: H316. Causes mild skin irritation.

HMIS classification: Health hazard: 0
 Flammability: 1
 Physical hazards: 0

Potential health effects: Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
 Skin: May be harmful if absorbed through skin. May cause skin irritation.
 Eyes: May cause eye irritation.
 Ingestion: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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| Formula: | Oligo(ethylene glycol) methyl ether acrylate: | $C_3H_3O(OC_2H_4)_xOCH_3$ |
| Concentration: | $\leq 100\%$ | |
| CAS registry number: | Oligo(ethylene glycol) methyl ether acrylate: | n/a |
| | Poly(ethylene glycol) methyl ether acrylate: | 32171-39-4 |

4. FIRST AID MEASURES

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| General advice: | Consult a physician. Show this safety data sheet to the doctor in attendance. |
| If inhaled: | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| In case of skin contact: | Wash off with soap and plenty of water. Consult a physician. |
| In case of eye contact: | Flush eyes with water as a precaution. Consult a physician. |
| If swallowed: | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |

5. FIRE-FIGHTING MEASURES

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| Conditions of flammability: | Combustible. |
| Suitable extinguishing media: | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special protective equipment for firefighters: | Wear self contained breathing apparatus for firefighting if necessary. |
| Hazardous combustion products: | Hazardous decomposition products formed under fire conditions: Carbon oxides. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire. |
| Explosion data: | Sensitivity to mechanical impact: no data available Sensitivity to static discharge: no data available |
| Further information: | Prevent fire extinguishing water from contaminating surface water or the ground water system. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions: | Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. |
| Environmental precautions: | Do not let product enter drains. |
| Methods and materials for containment and cleaning up: | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area. |

7. HANDLING AND STORAGE

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| Precautions for safe handling: | Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. |
| Conditions for safe storage: | Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2–8 °C. |

Storage class (TRGS 510): 10: Combustible liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment:

- Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hygiene measures: General industrial hygiene practice.
- Specific engineering controls: Use mechanical exhaust or laboratory fumehood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
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| Appearance: | Form: | Liquid |
| | Colour: | Clear / Colourless |
| Safety data: | pH: | no data available |
| | Melting point / Freezing point: | no data available |
| | Boling point: | no data available |
| | Flash point: | below 113 °C (lit.) - closed cup |
| | Ignition temperature: | no data available |
| | Auto-ignition temperature: | no data available |
| | Lower explosion limit: | no data available |
| | Upper explosion limit: | no data available |
| | Vapour pressure: | no data available |
| | Density: | no data available |
| | Water solubility: | no data available |
| | Partition coefficient: n-octanol/water: | no data available |
| | Relative vapour density: | no data available |
| | Odour: | no data available |

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| Odour threshold: | no data available |
| Evaporation rate: | no data available |

10. STABILITY AND REACTIVITY

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| Reactivity: | Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. |
| Chemical stability: | Stable under recommended storage conditions. |
| Possibility of hazardous reactions: | no data available |
| Conditions to avoid: | Elevated temperatures. Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation. May polymerize on exposure to light. Strong heating. |
| Materials to avoid: | Bases, Strong oxidizing agents, Amines, acids, Halogens, Chemically active metals, Free radical initiators, Metallic salts. |
| Hazardous decomposition products: | Hazardous decomposition products formed under fire conditions: Carbon oxides. Other decomposition products: no data available. |

11. TOXICOLOGICAL INFORMATION

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| Acute toxicity: | Oral LD50: | no data available |
| | Inhalation LC50: | no data available |
| | Dermal LD50: | no data available |
| | Other information on acute toxicity: | no data available |
| Skin corrosion/irritation: | no data available | |
| Serious eye damage/eye irritation: | no data available | |
| Respiratory or skin sensitization: | no data available | |
| Germ cell mutagenicity: | no data available | |
| Carcinogenicity: | IARC: | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| | ACGIH: | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| Reproductive toxicity: | no data available | |
| Teratogenicity: | no data available | |
| Specific target organ toxicity: | Single exposure (GHS): | no data available |
| | Repeated exposure (GHS): | no data available |
| Aspiration hazard: | no data available | |
| Potential health effects: | Inhalation: | May be harmful if inhaled. May cause respiratory tract irritation. |

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|---------------------------------|---|
| Ingestion: | May be harmful if swallowed. |
| Skin: | May be harmful if absorbed through skin. May cause skin irritation. |
| Eyes: | May cause eye irritation. |
| Signs and symptoms of exposure: | no data available |
| Synergistic effects: | no data available |
| Additional information: | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

12. ECOLOGICAL INFORMATION

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| Toxicity: | no data available |
| Persistence and degradability: | no data available |
| Bioaccumulative potential: | no data available |
| Mobility in soil: | no data available |
| PBT and vPvB assessment: | no data available |
| Other adverse effects: | no data available |

13. DISPOSAL CONSIDERATIONS

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| Product: | Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging: | Dispose of as unused product |

14. TRANSPORT INFORMATION

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| DOT (US): | Not dangerous goods |
| IMDG: | Not dangerous goods |
| IATA: | Not dangerous goods |
| Further information: | Not classified as dangerous in the meaning of transport regulations. |

15. REGULATORY INFORMATION

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| WHMIS classification: | Not WHMIS controlled. |
| This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. | |

16. OTHER INFORMATION

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| Date of the latest revision: | 26 April 2021 |
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Further information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Polymer Source, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See www.polymersource.ca for additional terms and conditions of sale.