

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

CAS Number: 25322-68-3
Product Name: PEG 200
Revision Date: Jul 28, 2021 **Date Printed:** Jul 30, 2021
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Thames River Chemical Corp.
Address: 5230 Harvester Road Burlington, ON, CA, L7L 4X4
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 905-681-5353
Fax: 905-681-5377
Product/Recommended Uses: For laboratory or industrial use only.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Other hazards which do not result in classification: Not applicable
 Hazards not otherwise classified (HNOC): Not applicable

2.1 Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.2 Label Elements

None needed according to classification criteria.

Physical state: Liquid
 Odor: Odorless

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

*The exact percentage (concentration) of composition has been withheld as a trade secret.

CAS	Chemical Name	% By Weight
0025322-68-3	POLYETHYLENE GLYCOL	60% - 100%

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
 Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact

Wash with plenty of water. Remove and isolate contaminated clothing and shoes.

Ingestion

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Most Important Symptoms and Effects, Both Acute and Delayed

No data available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians: Treat symptomatically.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards in Case of Fire

Specific hazards arising from the chemical: Not flammable.

Hazardous combustion products: Carbon oxides.

5.3 Advice for firefighters

Special protective equipment for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6) ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3 Methods and Materials for Containment and Cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Pick up and transfer to properly labeled containers.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7) HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Protect from sunlight. Store in a well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use.

Packaging materials: high density polyethylene. low density polyethylene. polypropylene. stainless steel 304/307. stainless steel 316.
Incompatible materials: Acids. Oxidizing agent. Combustible material.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear safety glasses with side shields

Skin Protection

Hand protection: Wear suitable gloves. PVC (polyvinyl chloride).
 Skin and body protection: Chemical resistant apron. Protective shoes or boots.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Appropriate Engineering Controls

Showers, eyewash stations, and ventilation system.

8.2 Exposure Controls

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

Chemical Name	CANsmg	CANsppm	CANtmg	CANtppm	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA TWA (mg/m3)	OSHA TWA (ppm)
No applicable chemical	-	-	-	-	-	-	-	-

Chemical Name	OSHA Carcinogen	OSHA Tables (Z1, Z2, Z3)	OSHA Skin designation	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH TLV Basis
No applicable chemical	-	-	-	-	-	-	-	-

Chemical Name	ACGIH Carcinogen	ACGIH Notations
No applicable chemical	-	-

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	N/A lb/gal
Specific Gravity	N/A
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Appearance	Colourless
Odor Description	Odorless
Odor Threshold	N/A
pH	5-7
Melting/Freezing Point	<0 °C
Low Boiling Point	N/A
High Boiling Point	N/A
Flash Point	171-182 °C
Vapor Pressure	N/A
Vapor Density	6.9
Evaporation Rate	N/A
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Water Solubility	Soluble in water
Coefficient Water/Oil	N/A
Viscosity	3.9 - 4.8 cST @25 degrees C

10.1 Reactivity

No data available.

10.2 Chemical Stability

Stable under normal storage and handling conditions.

Hazardous Reactions/Polymerization

Hazardous polymerization will not occur.

10.3 Possibility of Hazardous Reactions

No hazardous reactions are foreseeable in normal conditions of use and storage

10.4 Conditions To Avoid

Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods.

10.5 Incompatible Materials

Acids. Oxidizing agent. Combustible material.

10.6 Hazardous Decomposition Products

No data available.

SECTION 11) TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Inhalation:

Specific test data for the substance or mixture is not available.

Eye contact:

Specific test data for the substance or mixture is not available.

Skin contact:

Specific test data for the substance or mixture is not available.

Ingestion:

Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms - No information available.

Unknown acute toxicity:

No information available

Oral LD50 =22g/kg(Rat) =28g/kg(Rat)

Dermal LD50 >20g/kg(Rabbit)

Inhalation LC50 N/A

Aspiration Hazard

No data available.

Carcinogenicity

No data available.

Germ Cell Mutagenicity

No data available.

Respiratory/Skin Sensitization

No data available.

Serious Eye Damage/Irritation

No data available.

Skin Corrosion/Irritation

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Target organ effects: Respiratory system, Eyes, Skin, Central nervous system.

Specific Target Organ Toxicity - Single Exposure

No data available.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: Fish - LC50: >5000mg/L (24h, Carassius auratus)

Persistence and degradability

No data available.

Bioaccumulative Potential

It is not expected to bioaccumulate in the environment. Partition coefficient: -2.3

Other Adverse Effects

No data available.

Mobility in Soil

It is expected to have high mobility in soil. Log Koc: -1.532.

SECTION 13) DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

US EPA Waste Number: U108 U115

Waste Disposal

13.2 Waste Disposal

Contaminated packaging:
Do not reuse empty containers.

SECTION 14) TRANSPORT INFORMATION

	Transport Canada Information	U.S. DOT Information
UN number:	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A
Hazard class:	Not Applicable	
Hazard class:		Not Applicable
Packaging group:	Not Applicable	Not Applicable
Hazardous substance (RQ):		No Data Available
Marine Pollutant:	No Data Available	No Data Available
Note / Special Provision:	Note / Special Provision	No Data Available
Toxic-Inhalation Hazard:		No Data Available
Transport in bulk (according to Annex II of MARPOL 73/78):	No Data Available	

SECTION 15) REGULATORY INFORMATION

Safety, health and environmental regulations

International Inventories:

TSCA:Complies

DSL:Complies

NDSL:Does not comply

EINECS/ELINCS:Complies

ENCS:Complies

IECSC:Complies

KECL:Complies

PICCS:Complies

AICS:Complies

NZIoC:Complies

Legend:TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard: No

Chronic Health Hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Right-to-Know Regulations:

This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

California Proposition 65

This product contains the following Proposition 65 chemicals.:

Ethylene oxide - 75-21-8:

Carcinogen

Developmental

Female Reproductive

Male Reproductive

1,4-Dioxane - 123-91-1:

Carcinogen

CAS	Chemical Name	% By Weight	Regulation List
0025322-68-3	POLYETHYLENE GLYCOL	60% - 100%	DSL,TSCA,EU_EC_Inventory - European_EC_Inventory

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CANsmg or CANspmm - Canadian Short Term Exposure Level in mg/L or in ppm; CANtmg or CANtppm - Canadian Time Weighted Average in mg/L or in ppm; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization

Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

NFPA: Health hazards=0; Flammability=1; Instability=0; Physical and chemical properties-
HMIS: Health hazards=0; Flammability=1, Physical hazards=0; Personal protection=X

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