

## SAFETY DATA SHEET

### POLYTETRAMETHYLENE ETHER GLYCOL (PTMEG)

(650, 1000, 2000 & 3000 MOL WTS)

#### 1. IDENTIFICATION

**PRODUCT NAME** : POLYTETRAMETHYLENE ETHER GLYCOL (PTMEG)  
**COMPANY INFORMATION** : Everchem Specialty Chemicals  
: 1400 N. Providence Rd.  
: Media, PA 19063  
**TEL NO.** : 484-234-5030  
**FAX NO.** : 484-234-5037  
**WEBSITE** : www.everchem.com  
**CODE** : POLYTETRAMETHYLENE ETHER GLYCOL (PTMEG)  
**EMERGENCY PHONE NUMBER** : CHEMTREC USA 800-424-9300

#### 2. HAZARD (S) IDENTIFICATION

**2.1 HAZARD-RISK CLASSIFICATION:** SERIOUS EYE DAMAGE/ IRRITATION ( CATEGORY 2 )  
EYE IRRITATION ( CATEGORY 2A )  
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

#### 2.2 LABEL ELEMENT, INCLUDING AND PRECAUTIONARY STATEMENTS



#### PICTOGRAM

**SIGNAL WORD** WARNING

**HAZARD-RISK STATEMENT** H 315 CAUSES SKIN IRRITATION  
H 319 CAUSE EYE IRRITATION  
H 335 MAY CAUSE RESPIRATORY IRRITATION

#### PRECAUTIONARY STATEMENT

**PREVENTION** P 261 AVOID BREATHING DUST / FUME / GAS / MIST /  
VAPOURS / SPRAY  
P 264 WASH .. THOROUGHLY AFTER HANDLING  
P 271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED  
AREA  
P 280 WEAR PROTECTIVE GLOVES / PROTECTIVE  
CLOTHING / EYE PROTECTION / FACE PROTECTION  
  
P 302+P352 IF ON SKIN : WASH WITH PLENTY OF SOAP  
AND WATER

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<b>RESPONSE</b>	<p>P 304+P 340 IF INHALED : REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING</p> <p>P 305+P351+P338 IF IN EYES : RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO . CONTINUE RINSING .</p> <p>P 312 CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL .</p> <p>P 321 SPECIFIC TREATMENT ( SEE .. ON THE LABEL )</p> <p>P 332+P 313 IF SKIN IRRITATION OCCURS : GET MEDICAL ADVICE / ATTENTION</p> <p>P 337+P313 IF EYE PERSISTS: GET MEDICAL ADVISE / ATTENTION.</p> <p>P 362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.</p>
STORAGE	<p>P 403 + P 233 STORE IN A WELL VENTILATED SPACE . KEEP CONTAINER TIGHTLY CLOSED</p> <p>P 405 STORE LOCKED UP .</p>
DISPOSAL	<p>P 501 DISPOSE OF CONTENTS/ CONTAINER TO LOCAL / REGIONAL / INTERNATIONAL REGULATIONS.</p>

**2.3 OTHER HAZARD-RISK WHICH ARE NOT INCLUDED IN THE CLASSIFICATION (NFPA)**

HEALTH	2
FIRE	1
REACTIVITY	0

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE NAME	TRIVIAL NAME	CAS NO.	EN NO.	CONTENT (%)
POLYTETRAMETHYLENE ETHER GLYCOL (PTMEG)	POLY (OXYTETRAMETHYLENE) GLYCOL	25190-06-1	-	> 99.5

**4. FIRST AID MEASURES**

4.1 IN CASE OF INTRUSION INTO EYE	RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN
4.2 IN CASE OF SKIN CONTAMINATION	WASH OFF WITH SOAP AND PLENTY OF WATER . CONSULT A PHYSICIAN LAUNDER CONTAMINATED CLOTHING AND SHOES, BEFORE REUSE.
4.3 IN CASE OF RESPIRATORY	REMOVE VICTIM TO FRESH AREA IMMEDIATELY. GIVE ARTIFICIAL RESPIRATION AS NEEDED. CONSULT WITH A DOCTOR IMMEDIATELY.

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- |                            |   |
|----------------------------|---|
| 4.4 IN CASE OF INGESTION   | NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON . RINSE MOUTH WITH WATER . CONSULT WITH A PHYSICIAN . |
| 4.5 OTHER NOTICE OF DOCTOR | FOLLOW YOUR DOCTOR TO SHOW SAFETY HEALTH DATA.  |

## 5. FIRE FIGHTING MEASURES

### 5.1 SUITABLE EXTINGUISHING MEDIA

- |                                   |  |
|-----------------------------------|--|
| SUITABLE EXTINGUISHING MEDIA      | USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE. |
| INAPPROPRIATE EXTINGUISHING MEDIA | -  |
| MAJOR FIRE:                       | GENERAL FIRE EXTINGUISHING AGENT AND USE MIST SPRINKLER                  |

### 5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

- |                            |  |
|----------------------------|--|
| HEAT DECOMPOSITION PRODUCT | CARBON OXIDES  |
| FIRE/EXPLOSION HAZARD      | THERE IS A SLIGHT RISK OF FIRE. DUST/AIR MIXTURES CAN IGNITE OR EXPLODE. |

### 5.3 PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE-FIGHTERS

- WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY .
- IF SAFE TO DO SO, REMOVE CONTAINERS FROM AREA OF FIRE.
- PREVENT SHATTER USING HIGH-PRESSURE WATER SPRAY.
- DIKE FOR LATER DISPOSAL.
- AVOID INHALATION OF SUBSTANCE OR COMBUSTION PRODUCTS.
- STAY UP WIND AND KEEP OUT OF LOW AREAS.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT

- WEAR PERSONAL PROTECTIVE EQUIPMENT.
- DO NOT TOUCH THE CHEMICALS. DO NOT GO ACROSS THE CHEMICALS.
- STOP LEAK IF POSSIBLE WITHOUT PERSONAL RISK.
- DO NOT CONTACT/TOUCH THE LEAKAGE SUBSTANCE.
- DO NOT POUR WATER INSIDE CONTAINERS. BY SPRAYING WITH WATER, REDUCE VAPORS.

### 6.2 ENVIRONMENTAL PRECAUTIONS

- ABSORB WITH SAND OR OTHER NON-COMBUSTIBLE MATERIALS.
- DO NOT LET PRODUCT ENTER DRAINS.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- |              |   |
|--------------|---|
| MINOR SPILLS | ABSORB IT USING NONFLAMMABLE MATERIALS. ( EX DRY SAND OR DIRT ) PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST . SWEEP UP AND SHOVEL, KEEP IN SUITABLE , CLOSED CONTAINERS FOR DISPOSAL |
|--------------|---|

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MAJOR SPILLS     DIKE FOR LATER DISPOSAL.  
                      REMOVE THE SOURCE OF IGNITION.  
                      KEEP SUITABLE , CLOSED CONTAINERS FOR DISPOSALS.

## **7. HANDLING AND STORAGE**

### **7.1 PRECAUTIONS FOR SAFE HANDLING**

AVOID CONTACT WITH SKIN AND EYES.

PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED.

CLEAN THE CLOTHES AFTER USING CHEMICAL MATERIAL

### **7.2 CONDITIONS FOR SAFE STORAGE**

KEEP SEPARATED FROM WITH INCOMPATIBLE MATERIALS.

STORE IN AN AIRTIGHT CONTAINER.

STORE IN A COOL AND DRY AREA.

COMPLY WITH LOCAL REGULATIONS FOR STORAGE.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 EXPOSURE LIMITS OF CHEMICAL SUBSTANCE, BIOLOGICAL EXPOSURE LIMITS**

DOMESTIC REGULATION           NO EXPOSURE LIMITS

ACGIH REGULATION               NO EXPOSURE LIMITS

BIOLOGICAL EXPOSURE LIMITS   NO EXPOSURE LIMITS

### **8.2 APPROPRIATE ENGINEERING CONTROLS**

INSTALL VENTILATION EQUIPMENT AND THEN  
MANAGE TO MAINTAIN PROPER VENTILATION SPEED.  
ENSURE THAT WORKING CONDITIONS MEET LOCAL  
REGULATION FOR EXPOSURE LIMITS.

### **8.3 INDIVIDUAL PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION	FOR NUISANCE EXPOSURES USE TYPE P95(US ) OR TYPE P1 ( EU EN 143 ) PARTICLE RESPIRATOR . FOR HIGHER LEVEL PROTECTION USE TYPE OV/AGX/P99 (US ) OR TYPE ABEK-P2 ( EU EN 143) RESPIRATOR CARTRIDGES. USE RESPIRATORS AND COMPONENT TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH ( US ) OR CEN ( EU )
EYE PROTECTION	SAFETY GLASSES WITH SIDE-SHIELDS CONFORMING TO EN166 USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH ( US ) OR EN 166 ( EU)

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HANDS PROTECTION	USE PROPER 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 IMPERVIOUS CLOTHING,
BODY PROTECTION	THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE (PHYSICAL STATE, COLOUR ETC.)	WHITE WAXY TYPE SOLID AT 68°F, COLOURLESS LIQUID AT 100°F
9.2 ODOUR	NEGLIGIBLE
9.3 ODOUR THRESHOLD	NO DATA AVAILABLE
9.4 PH	NEUTRAL
9.5 MELTING POINT/FREEZING POINT	14 °C ~ 23 °C (57 °F ~ 73 °F)
9.6 INITIAL BOILING POINT AND BOILING RANGE	> 204 °C (> 399 °F)
9.7 FLASH POINT	260 °C
9.8 EVAPORATION RATE	NO DATA AVAILABLE
9.9 FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE
9.10 UPPER/LOWER EXPLOSIVE LIMITS	NO DATA AVAILABLE
9.11 VAPOUR PRESSURE	NO DATA AVAILABLE
9.12 SOLUBILITY	SLIGHTLY SOLUBLE
9.13 VAPOUR DENSITY	NO DATA AVAILABLE
9.14 DENSITY	0.979 AT 25 °C
9.15 N-OCTANOL/WATER PARTITION COEFFICIENT	NO DATA AVAILABLE
9.16 AUTO-IGNITION TEMPERATURE	NO DATA AVAILABLE
9.17 DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE
9.18 VISCOSITY	NO DATA AVAILABLE
9.19 MOLECULAR WEIGHT	650, 1,000, 1,800, 2,000, 3,000
9.20 SOLVENT SOLUBLE	AROMATIC AND CHLORINATED SOLVENTS

## 10. STABILITY AND REACTIVITY

### 10.1 CHEMICAL STABILITY AND POSSIBILITY OF HAZARDOUS REACTIONS

STABLE UNDER NORMAL CONDITION.  
POLYMERISATION WILL NOT OCCUR.

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## 10.2 CONDITIONS TO AVOID (ELECTROSTATIC DISCHARGE, SHOCK, VIBRATION, ETC.)

AVOID HEAT, FLAME, SPARK AND IGNITION SOURCE.

AVOID CONTACT WITH INCOMPATIBLE MATERIALS.

## 10.3 SUBSTANCE TO AVOID

ACID, OXIDANT

## 10.4 HAZARDOUS DECOMPOSITION PRODUCTS

CARBON OXIDES

OTHER DECOMPOSITION PRODUCTS – NO DATA AVAILABLE

# 11. TOXICOLOGICAL INFORMATION

## 11.1 INFORMATION ON THE LIKELY ROUTE OF EXPOSURE

INHALATION	POSSIBLE
ORAL	POSSIBLE
SKIN CONTACT	POSSIBLE
EYE CONTACT	POSSIBLE

## 11.2 HEALTH HAZARD INFORMATION

ACUTE ORAL TOXICITY	LD50 11,340 mg/kg WHITE RAT (650 mw, QUAKER OATS)
ACUTE DERMAL TOXICITY	LD50 8,370 mg/kg RABBIT (650 mw, QUAKER OATS)
ACUTE INHALATION TOXICITY	NO DATA AVAILABLE
SKIN CORROSION OR IRRITATION	CAN CAUSE SKIN IRRITATION
SERIOUS EYES DAMAGES OR IRRITATION	CAN CAUSE EYES IRRITATION
RESPIRATORY SENSITIZATION	NO DATA AVAILABLE
SKIN SENSITIZATION:	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY SUBSTANCE (SINGLE EXPOSURE)	INHALATION – MAY CAUSE RESPIRATORY IRRITATION
SPECIFIC TARGET ORGAN TOXICITY SUBSTANCE (REPEATED EXPOSURE)	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
REPRODUCTIVE TOXICITY	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

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	% IS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH
NTP	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1 % IS IDENTIFIED AS KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1 % IS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA
ASPIRATION HAZARD	NO DATA AVAILABLE

## 12. ECOLOGICAL INFORMATION

### 12.1 ECOTOXICITY

FISH	NO DATA AVAILABLE
CRUSTACEAN	NO DATA AVAILABLE
BIRD	NO DATA AVAILABLE

### 12.2 PERSISTENCE AND DEGRADABILITY

PERSISTENCE	NO DATA AVAILABLE
DEGRADABILITY	NO DATA AVAILABLE

### 12.3 BIOACCUMULATIVE POTENTIAL

ACCUMULATIVE	NO DATA AVAILABLE
BIODEGRADATION	NO DATA AVAILABLE

### 12.4 MOBILITY IN SOIL

NO DATA AVAILABLE

### 12.5 OTHER HAZARDOUS EFFECTS

NO DATA AVAILABLE

## 13. DISPOSAL CONSIDERATIONS

**13.1 DISPOSAL METHODS** OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL

**13.2 DISPOSAL ATTENTION** COMPLY WITH LOCAL REGULATIONS FOR DISPOSAL.

## 14. TRANSPORT INFORMATION

- U.S. DEPARTMENT OF TRANSPORTATION (DOT)
- INTERNATIONAL MARITIME ORGANIZATION (IMDG)
- INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)
- INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS CHEMICALS BY UN MODEL REGULATION

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AS BELOW.

14.1 UN NUMBER	NOT APPLICABLE
14.2 UN PROPER SHIPPING NAME	NOT APPLICABLE
14.3 TRANSPORT HAZARD CLASS	NOT APPLICABLE
14.4 CONTAINER CLASS	NOT APPLICABLE
14.5 MARINE POLLUTANT	NOT APPLICABLE

## 15. REGULATORY INFORMATION

15.1 INDUSTRIAL SAFETY AND HEALTH ACT	NOT APPLICABLE
15.2 TOXIC CHEMICALS CONTROL ACT	NOT APPLICABLE
15.3 SAFETY CONTROL OF DANGEROUS SUBSTANCES ACT	NOT APPLICABLE
15.4 FOREIGN REGULATION	
AMERICAN MANAGEMENT INFORMATION (OSHA REGULATION)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (CERCLA REGULATION)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (EPCRA 302 REGULATION)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (EPCRA 304 REGULATION)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (EPCRA 313 REGULATION)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (ROTTERDAM CONVENTION MATERIAL)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (STOCKHOLM CONVENTION MATERIAL)	NOT APPLICABLE
AMERICAN MANAGEMENT INFORMATION (MONTREAL PROTOCOL MATERIAL)	NOT APPLICABLE
EU CLASSIFICATION INFORMATION (FINAL CLASSIFICATION RESULTS)	NOT APPLICABLE
EU CLASSIFICATION INFORMATION (RISK STATEMENT)	NOT APPLICABLE
EU CLASSIFICATION INFORMATION (SAFETY STATEMENT)	NOT APPLICABLE

## 16. OTHER INFORMATION

THIS SDS IS APPLICABLE TO POLYETHERTETRAMETHYLENE ETHER GLYCOL (PTMEG). THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES

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