			Doc. No.	MSDS-004
(KorPTG)	Safety Data Sheet	:	Initial Issue	Nov. 1996
	,		Revision Date	Jan. 2022
Substance name	Polytetramethylene Ether Glycol (PTMEG)			
CAS NO	KE NO	UN NO	EC	NO
25190-06-1	KE-20217			

1.Identification of the substance/mixture and of the company:

1.1 Substance Name	Polytetramethylene Ether Glycol (PTMEG)
1.2 Intended Use and Use Limitations	
Recommended Use	Raw Material for : spandex, elastomers, synthetic leathers, paints and coating materials.
Use Limitations	No Data Available
1.3 Company identification	
Company:	Korea PTG Co., Ltd.
Address:	15, Yongyeon-ro 179beon-gil, Nam-gu, Ulsan Korea
Tel, Number:	Tel 82-52-257-5240, Fax 82-52-257-5246
Emergency number:	82-52-257-5240
Team:	Safety & Environment Team

2. Hazard Identification:

- 2.1 Hazard-Risk Not classified. However may be a slight irritation to the skin or eye depending on the experience of the person in manufacturing.
- 2.2 Label element, including and precautionary statements

Hazard symbolThe product does not require a hazard warning label in accordance with
GHS criteria.Signal wordNoneHazard statementNot assignedPrecautionary statement

Not assigned

2.3 Other hazard-Risk which are not included in the classification(NFPA)

Health	0
Fire	1
Reactivity	0

3. Composition/Information on Ingredients:

Substance Name	Trivial name	CAS No.	Content(%)
Polytetramethylene Ether	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
	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.

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4.3 In case of respiratory	Remove victim to fresh area i Give artificial respiration as ne	eeded.	
4.4 In case of ingestion	Consult with a doctor immed Never give anything by mout Rinse mouth with water. Cons	h to an unconsci	ous person.
4.5 Other notice of doctor	Follow your doctor to show s	afety health data	l.
5. Explosion,fire measures: 5.1 Suitable extinguishing media			
Suitable extinguishing media	Use water spray, alcohol-resis carbon dioxide.	tant foam, dry cl	nemical or
Inappropriate extinguishing media Major fire: 5.2 Specific hazards arising from the chemical	- General fire extinguishing age	ent and use mist	sprinkler
Heat decomposition product Fire/Explosion hazard	Carbon oxides There is a slight risk of fire. D or explode.	ust/Air mixtures	can ignite
5.3 Protective equipment and precaution for fire-fighters	Wear self contained breathing if necessary. If safe to do so, remove conta Prevent shatter using high-pro Dike for later disposal. Avoid inhalation of Substance Stay up wind and keep out or	ainers from area essure water spra e or combustion	of fire. ay.
6. Accidental release measures:			
6.1 Personal precautions, protective equipment	t		
	Avoid inhalation of Substance Wear personal protective equ Do not touch the chemicals. I chemicals. Stop leak if possible without Do not contact/touch the Lea Do not pour water inside con By spraying with water, reduc	ipment. Do not go acros personal risk. Ikage Substance. Itainers.	•
6.2 Environmental precautions	· · · -	-	
	Absorb with sand or other no Do not let product enter drain		naterials.
6.3 Methods and materials for containment Minor spills	Absorb it using nonflammable (ex. dry sand or dirt)		

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	Pick up and arrange dispo	-	
	Sweep up and shovel. Kee	p in suitable, closed	a containers
Major spills	for disposal.		
Major spills	Dike for later disposal. Remove the source of igni	ition	
	Keep in suitable, closed co		al.
7. Handling and storage:			
7.1 Precautions for safe handling			
	Avoid contact with skin an	-	
	Provide appropriate exhau dust is formed.	st ventilation at pla	ces where
	Clean the clothes after usi	ng chemical materia	al.
7.2 Conditions for safe storage			
	Keep separated from with Store in an airtight contair	•	rials.
	Keep container tightly clos place.	sed in a dry and we	ll-ventilated
	Comply with local regulati	ons for storage.	
8 Exposure controls/personal protection:			
8.1 Exposure limits of chemical substance,			
Domestic regulation	No Exposure Limits		
ACGIH regulation	No Exposure Limits		
Biological exposure limits 8.2 Appropriate engineering controls	No Exposure Limits Provide local exhaust vent	ilation to control va	nours/mists
8.3 Individual protective equipment			ipour <i>s</i> /mists.
Respiratory Protection	Not normally needed. Use there is any potential for a	•	•
Eye protection	Wear safety glasses to avo		
Hands protection	Wear appropriate protectiv skin.	•	
Body protection:	Wear suitable protective c	lothing.	
	,	2	
9. Physical and chemical properties:			
9.1 Appearance (physical state, colour etc.			
9.2 Odour	Negligible		
9.3 Odour threshold	No Data Available		
9.4 pH 9.5 Melting point/freezing point	No Data Available 25 ℃ ~ 32 ℃		
9.6 Initial boiling point and boiling range	25 C ~ 52 C > 204 ℃ (> 398 ℉)		
9.7 Flash point	259 ℃		



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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 Specific gravity	0.979 (at 25 ℃)
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
9.19Molecular weight	220, 650, 1000, 1400, 1800, 2000, 3000
9.20 Solvent soluble	Aromatic and chlorinated solvents

10. Stability and reactivity:

10.1 Chemical stability and Possibility of	Stable under recommended storage conditions.
hazardous reactions	But there is a risk of self-ignition at high temperature.
10.2 Conditions to avoid	Avoid heat, flame, spark and ignition source.
(Electrostatic discharge, Shock, vibration, etc.)	Avoid contact with incompatible materials.
10.3 Substance to avoid	Acid, Oxidant
10.4 Hazardous decomposition products	Carbon oxides

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 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	May cause slight skin irritation.	
Serious eyes damages or irritation	May cause slight eye irritation.	
Respiratory sensitization	No Data Available	
Skin sensitization:	No Data Available	
Specific target organ toxicity substance	No Data Available	
(single exposure)		
Specific target organ toxicity substance	No Data Available	
Germ cell mutagenicity	No Data Available	
Reproductive toxicity	No Data Available	



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Carcinogenicity

IARC No Data Available ACGIH No Data Available NTP No Data Available **OSHA** No Data Available No Data Available Aspiration hazard 11.3 Numerical Scale of toxicity No Data Available (Acute toxicity Estimates) 12. Ecological information: 12.1 Ecotoxicity Fish No Data Available Crustacean No Data Available No Data Available Bird 12.2 Persistence and degradability No Data Available Persistence No Data Available degradability 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	No Data Available
13.2 Disposal attention	Consider notices of regulations in case that it is indicated
	in waste disposal regulation.

14. Transport information:

14.1 U.S. Department of Transportation (DOT)	Not regulated as dangerous good
14.2 International Maritime Organization (IMDG)	Not regulated as dangerous good
14.3 International Air Transport Association (IATA)	Not regulated as dangerous good
/ International Civil Aviation Organization (ICAO))

15. Regulatory information:

15.1 Korean Industrial Safety and Health Act	Not Applicable
15.2 Korea Toxic Chemicals Control Act (KCCA)	Not Applicable
15.3 Safety Control of Dangerous Substances Act	Not Applicable
in Korea	



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15.4 International Regulations

US Toxic Substance Chemical Control Act (TSCA)	Listed
Canada Domestic Substance List (DSL or NDSL)	Listed on Canda's DSL List
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:

16.1 Reference: Croner's: Emergency Spillage Guide. Croner's: Emergency First Aid Guide. Croner's: Substances Hazardous to Health ERG 2004, , RSAP, US DOT National Institute of Technology and Evaluation, Japan UN Recommendations on the Transport of Dangerous Goods Model Regulations, 14th Edition TOXNET, U.S. National Library of Medicine http://toxnet.nlm.nih.gov The Chemical Database, The Department of Chemistry at the University of Akron http://ull.chemistry.uakron.edu/erd International Chemical Safety Cards(ICSC) http://www.nihs.go.jp/ICSC ECB-ESIS(European chemical Substances Information System) http://ecb.jrc.it/esis ECOTOX Database, EPA http://cfpub.epa.gov/ecotox **IUCLID** Chemical Data Sheet, EC-ECB Initial Assessment Report for SIAM 19, Synthetic Amorphous Silica, July 2004, UNEP, OECD. IMDG Code 2006 edition (Amendment 33-06), IMO 16.2 Initial Issue Date Nov. 1996 16.3 Revision Number and Date - Revision Number 5 - Revision Date Jul. 2019

16.4 Others

No Data Available