
 Hannong Chemicals	<h1 style="text-align: center;">Material Safety Data Sheet</h1>		
24, Oehang 1-gil, Gunsan-si, Jeollabuk-do, Republic of Korea	Rev. date	2016.07.04	
Tel. 82-63-462 - 6018	KOPEX-PEG-600	Version	4
Fax 82-63-462 - 6009	CAS No : 25322-68-3	page	5

1. Chemical product and company identification

- A. Product name **KOPEX-PEG-600**
- B. Material Uses Not available.
- C. Supplier/Manufacturer
- Hannong chemicals
- 24, Oehang 1-gil, Gunsan-si, Jeollabuk-do, Republic of Korea
- 82-63-462 - 6018
- R&D center

2. Hazards Identification

- A. GHS classification of the substance
- Skin corrosion/irritation 2
- Serious eye damage / eye irritation 2A
- B. GHS label elements, including precautionary statements

○ Symbols	○ Signal word	○ Hazard statement
	Warning	H315 Causes skin irritation H319 Causes serious eye irritation
		○ Precautionary statements
		<Prevention> P264 Wash ... thoroughly after handling. P280 Wear protective gloves. <Response> P302+P352 IF ON SKIN: Wash with plenty water. P321 Specific treatment (see ... on this label) P332+P313 If skin irritation occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. <Storage> Not available <Disposal> Not available

- C. Other hazards which do not result in classification or are not covered by the GHS

3. Composition/information on ingredients

Chemical name	CAS No	Contents(w/w%)
POLYETHYLENE GLYCOL(600)	25322-68-3	100%

4. First Aid Measures

A. General advice:

Remove contaminated clothing

B. If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

C. If on skin:

Wash thoroughly with soap and water.

D. If in eyes:

Seek medical attention.

Wash affected eyes for at least 15 minutes under running water with eyelids held open

E. If in eyes:

Seek medical attention.

Wash affected eyes for at least 15 minutes under running water with eyelids held open

F. If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting. Seek medical attention.

5. Fire-fighting measures

A. Suitable extinguishing media:

water, dry extinguishing media, foam

B. Products of Combustion : Carbon oxide(CO, CO₂)

C. Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

A. Personal precautions:

Use personal protective clothing.

B. Environmental precautions:

Do not discharge into drains surface waters, groundwater.

C. Cleanup :

-For small amounts:

K-PEG-600(EN)

Pick up with absorbent material. Dispose of absorbed material in accordance with regulations.

–For large amounts:

Pump off product.

7. Handling and storage

A. Handling

Avoid contact with eyes. Do not ingest. Avoid breathing vapors or spray mists.

Avoid prolonged or repeated contact with skin. Do not get on skin or clothing.

Keep container closed. Wash thoroughly after handling.

B. Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls / personal protection

A. Control parameters. Occupational exposure limit values or biological limit values.

ACGIH	
TWA	Not available

B. Engineering controls:

Ensure adequate ventilation.

C. Personal protection:

Eyes : Splash goggles.

Body : Lab coat.

Hands : Gloves.

Respiratory : Wear appropriate respirator when ventilation is inadequate.

9. Physical and chemical properties

A. Appearance	Solid	B. Odour	faint odour
C. Odour threshold	Not available	D. pH	5~7
E. mp/fp(°C)	Not available	F. bp(°C)	200 up
G. Flash point(°C)	230	H. Evaporation rate	Not available
I. Flammability(solid,gas)	Not available	J. Upper/lower explosive limits	Not available
K. Vap. pressure(mmHg @20°C)	0.1 under	L. Solubility(@25°C)	Soluble
M. Vap. density(air=1)	Not available	N. Density(@50°C)	1.111
O. Partition coefficient (n-octanol/water)	Not available	P. Auto-ignition temperature(°C)	Not available
Q. Decomposition temp.(°C)	Not available	R. Viscosity(cP, @25°C)	Not available

S. Molecular weight	600		
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10. Stability and reactivity

- A. Chemical stability : the product is stable
- B. Incompatibility with various substances : oxidizing agents. Strong alkalies.
- C. Possibility of hazardous reactions : the product is stable
- D. Hazardous decomposition products : Carbon oxide

11. Toxicological information

- A. Information on the likely routes of exposure
 - inhalation : Irritant
 - ingestion : Nausea, vomiting, diarrhea, headache, drowsiness, dizziness
 - eye : Irritant
 - skin Irritant
- B. Delayed and immediate effects and also chronic effects from short- and long-term exposure

Acute toxicity	oral	Not available
Skin irritation	rabbit	: irritant
Eye irritation	rabbit	: irritant
Chronic toxicity	Not available	

- C. Numerical measures of toxicity(such as acute toxicity estimates) : Not available

12. Ecological information

- A. Ecotoxicity Not available
- B. Persistence and degradability : Not available
- C. Bioaccumulative potential : Not available
- D. Mobility in soil Not available
- E. Other adverse effects : Not available

13. Disposal considerations

- A. Waste information
 - Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- B. Container disposal
 - Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

A. UN number	Not classified
B. UN proper shipping name	: Not classified
C. Transport Hazsrd class(es)	: Not classified
D. Packing group	Not classified
E. Marine pollutant	No

15. Regulatory information

A. U.S. Regulation (TSCA)	: listed
B. Other International lists	: Korea(TCCL) listed

16. Other information

A. Information on prepatation

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B. Revision date & version	2016.07.04	3
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