


24, Oehang 1-gil, Gunsan-si, Jeollabuk-do, Republic of Korea		Rev. date	2017. 01. 02	
Tel. 82-63-462 - 6018	KOREMUL-LEM-001		Version	3
Fax 82-63-462 - 6009	CAS No :	142-90-5	page	5

1. Chemical product and company identification

- A. Product name **KOREMUL-LEM-001**
- B. Material Uses Not available.
- C. Supplier/Manufacturer
- Name HANNONG CHEMICALS
- Address 24, Oehang 1-gil, Gunsan-si, Jeollabuk-do, Republic of Korea
- Emergency phone number 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
- Skin sensitization 1
- B. GHS label elements, including precautionary statements

<input type="radio"/> Symbols	<input type="radio"/> Signal word	<input type="radio"/> Hazard statement
	Warning	<input type="radio"/> Hazard statement H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation
		<input type="radio"/> Precautionary statements <Prevention> P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. 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. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse

		<p>P303+P361+P531 Wash contaminated clothing 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.</p> <p><Storage> Not available</p> <p><Disposal> Not available P501 Dispose of contents in accordance with local(regional, national international) regulation.</p>
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C. Other hazards which do not result in classification or are not covered by the GHS

-NFPA Health : 1 Fire Hazard : 1 Reactivity : 2

3. Composition/information on ingredients

Chemical name	Common name	CAS No.	Contents (%)
Dodecyl Methacrylate	Lauryl Methacrylate	142-90-5	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:

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

-For large amounts:

Pump off product.

7. Handling and storage

A. Precautions for safe 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. Conditions for safe storage

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

(Store in a well ventilated place below 35 °C.)

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 (@25°C)	Liquid	B. Odour	slight
C. Odour threshold	Not available	D. pH	6 ~ 8

E. mp/fp(°C)	Not available	F. bp(°C)	Not available
G. Flash point(°C, open cup)	143°C	H. Evaporation rate	Not available
I. Flammability(solid,gas)	Not available	J. Uppor/lower explosive limits	Not available
K. Vap. pressure(mmHg @20°C)	Not available	L. Solubility(@25°C)	Insoluble
M. Vap. density(air=1)	Not available	N. Density(@25°C)	Not available
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)	20 Max.
S. Molecular weight	254.4		

10. Stability and reactivity

- A. Chemical stability : Stable under normal storage conditions.
- B. Incompatibility with various substances : oxidizing agents. Strong alkalies.
- C. Possibility of hazardous reactions : the product is stable
Hazardous decomposition products : None when used as directed.
- D. Thermal decomposition will lead to the release of CO & CO₂

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	: weak irritant
Eye irritation	rabbit	: weak 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. Disposal method

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

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|-------------------------------|------------------|
| 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

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|------------------------------|-------------------|
| A. KOREA Regulation (ECL) | listed (KE-24976) |
| B. Other International lists | : |
- U.S. Regulation listed (TSCA), European Union listed(EC No.: 205-570-6), Australia listed(AICS)
Canada listed (DSL), China listed (IECSC), Japan listed (ENCS No.: 2-1039X), Malaysia
Philippines listed (PICCS), Switzerland (SWISS No.: G-4073)

16. Other information

A. Information on prepatation

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| B. Revision date & version | 2017. 01. 02 | 3 |
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