Last revised date : 2021-08-04
MSDS No. : Excluded from Submission

Safety Data Sheet(SDS)

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

1) Product identifier : PVC STRAIGHT LS100H BULK

2) Relevant identified uses of the substance or mixture and uses advised against

○ Relevant identified uses

48.Others/자료없음

○ Uses advised against

3) Supplier information

○ Company name [Manufacture]

Company : LGC 여수(화치)

Address : 116-8, Yeosusandan 2-ro, Yeosu-si, Jeollanam-do, Republic of Korea/ 55, Yeosusandan 2-ro, Yeosu-si, Jeollanam-do, Republic of Korea

Emergency number :

2. HAZARD IDENTIFICATION

1) Hazard classification

Not applicable

2) Allocation label elements

Hazard pictograms

Signal word

- NONE

Hazard statements

No data available

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Precautionary statements

Not applicable

3) Other hazards

○ Product NFPA Level

Health	Flamm abliity	Reactivity
0	1	0

(※ 0 = Insufficient , 1 = Slightly , 2 = ordinary , 3 = Highness , 4 = Very high)

3. Composition/Information on ingredients

Components	Common name	CAS No.	PCT(wt%)
Poly(vinyl chloride)	Poly(vinyl chloride)	9002-86-2	>99.7
Water	Water	7732-18-5	<0.3

4. FIRST AID MEASURES

1) Following eye contact

No data available

2) Following skin contact

- Launder contaminated clothing and shoes before re-use.
- Remove and isolate contaminated clothing and shoes.

3) Following inhalation

- Move to fresh air.

4) Following ingestion

- Get medical aid immediately.

5) Advice to physician

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. FIRE FIGHTING MEASURES

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1) Suitable (and unsuitable) extinguishing media

○ Suitable extinguishing media

- Large fire: Water spray/fog, regular foam (Suitable extinguishing media).
- Small fire: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2 (Suitable extinguishing media).

○ Unsuitable extinguishing media

- High-pressure water (Unsuitable extinguishing media).

2) Special hazards arising from the substance or mixture

○ Pyrolytic product

- No data available

○ Risk of fire and explosion

- Fire may produce irritating and/or toxic gases.
- Some may burn but none ignite readily.
- Containers may explode when heated.
- May ignited from heat, friction or contamination.

○ Other

- Some liquids produce vapors that may cause dizziness or suffocation.
- May cause toxic effects if inhaled.

3) Special protective equipment for firefighters

- Fire involving Tanks: ALWAYS stay away from tanks engulfed in fire.
- Fire involving Tanks: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

6. ACCIDENTAL RELEASE MEASURES

1) Health considerations and protective equipment

- Prevent dust cloud.
- Do not touch or walk through spilled material.
- Ventilate the contaminated area.
- Stop leak if you can do it without risk.

No data available

2) Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

3) For cleaning up

- Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.
- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

7. HANDLING AND STORAGE

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1) Precautions for safe handling

- Avoid any skin and eye contact when insert undiluted solution. Wash ... thoroughly after handling.
- Please note that materials and conditions to be avoided.

2) Conditions for safe storage (including any incompatibilities)

- Store in a cool/low-temperature, well-ventilated {dry} place {away from heat and ignition sources}
- Please note that materials and conditions to be avoided.
- Store in a dry place. Store in a closed container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

1) Chemical exposure limits, Biological exposure standard

Components	Occupational exposure limits	ACGIH	Biological standard
Poly(vinyl chloride)	Not applicable	TWA : 1 mg/m3, Respirable Particulate Matter	Not applicable
Water	Not applicable	Not applicable	Not applicable

2) Appropriate engineering controls

- Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

3) Personal protection equipment

○ Respiratory protection

- Wear breathing protection, which needs a confirmation from the Korea Occupational Safety and Health Agency.
- If high frequency of use or exposure, wear air respirator.

○ Eye protection

- Provide emergency showers and eyewash.
- Wear suitable protective goggles and face shields.

○ Hand protection

- Wear suitable protective gloves.

○ Body protection

- Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	No data available
Physical state	solid
Colour	No data available
Odour	No data available

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Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	391℃
Evaporation rate	No data available
Flammability(solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Solubility(ies)	No data available
Vapour density	No data available
Relative density	No data available
n-octanol/water partition coefficient	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Molecular weight(mass)	No data available

10. STABILITY AND REACTIVITY

1) Stability and hazardous reactivity

- Stable under normal temperatures and pressures.

2) Conditions to avoid

No data available

3) Incompatible materials

No data available

4) Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

1) Exposure route information

○ Inhalation

- After inhalation: No data

○ Skin Contact

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- Following skin contact: No data

○ Eye Contact

- After eye contact: No data

○ Ingestion

- After ingestion: No data

2) Health hazard information

○ Acute toxicity

- Acute toxicity(Oral) PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : LD50 90000 ㎎ / ㎏ experimental species: Rat (LD50> 90 ml / kg (Rat))
- Acute toxicity(Dermal) PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available
- Acute toxicity(Inhalation:Gases) PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available
- Acute toxicity(Inhalation:Vapours) PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available
- Acute toxicity(Inhalation:Dust/mist) PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available

○ Skin corrosion/irritation PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : Not applicable

○ Serious eye damage/eye irritation PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : Not applicable

○ Respiratory sensitization PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : Not applicable

○ Skin sensitization PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : Not applicable

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○ Carcinogenicity PRODUCT : Not classified

- Poly(vinyl chloride) : 3 (IARC)
A4 (ACGHI), Source: IARC, ACGHI

- Water : No data available

○ Germ cell mutagenicity PRODUCT : Not classified

- Poly(vinyl chloride) : Speech, regardless of the In vitro Salmonella typhimurium Ames test, Mouse lymphoma upon the presence or absence of metabolic activation system, Source: National Library of Medicine/Chemical Carcinogenesis Research Information System(NLM/CCRIS)(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CCRIS)

- Water : Not applicable

○ Reproductive toxicity PRODUCT : Not classified

- Poly(vinyl chloride) : No data available

- Water : Not applicable

○ Specific target organ toxicity single exposure PRODUCT : Category 2

- Poly(vinyl chloride) : Edema, alveolar hemorrhage occurs in the lungs in the lung, Source: National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB)

- Water : Not applicable

○ Specific target organ toxicity repeated exposure PRODUCT : Category 2

- Poly(vinyl chloride) : Repeat the lungs, it may cause long-term exposure to dust particles during fibrosis, Source: International Chemical Safety Cards (ICSC)(http://www.ilo.org/public/english/protection/safework/cis/products/icsc/dtasht/index.htm)

- Water : Not applicable

○ Aspiration hazard PRODUCT : Not classified

- Poly(vinyl chloride) : No data available

- Water : Not applicable

12. ECOLOGICAL INFORMATION

1) Aquatic toxicity

- Fish>PRODUCT : Not classified

  - Poly(vinyl chloride) : No data available
  - Water : No data available

- Crustacea>PRODUCT : Not classified

  - Poly(vinyl chloride) : No data available
  - Water : No data available

- Aquatic algae>PRODUCT : Not classified

  - Poly(vinyl chloride) : No data available
  - Water : No data available

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2) Persistence and degradation

- n-octanol water partition coefficient>PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : -1.38 log Kow ()
- Degradation>PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available
- Biodegradation>PRODUCT : Not classified
  - Poly(vinyl chloride) : No data available
  - Water : No data available

3) Bioaccumulative potential>PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : No data available

4) Mobility in soil>PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : No data available

5) Other adverse effects>PRODUCT : Not classified

- Poly(vinyl chloride) : No data available
- Water : No data available

13. DISPOSAL CONSIDERATIONS

1) Disposal methods

- Every commercial waste producer shall either treat wastes generated from his/her place of business by him/herself or commission the treatment of such wastes to a person who has license for a waste treatment business under Article 26(3), a person who recycles of such wastes under Article 44(2), a person who has installed and operates a waste disposal facility under Article 4 or 5, a person who has completed the registration of a business of discharging wastes into the sea under Article 18 of the Marine Environment Management Act.

14. TRANSPORT INFORMATION

1) UN No. : Not applicable

2) Proper shipping name : Not applicable

3) Class or division : Not applicable

4) Packing group : Not applicable

5) Marine pollutant : Not applicable

6) Special safety response for transportation or transportation measure :

Emergency measures in case of fire : Not applicable

Emergency measures in the effluent : Not applicable

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- ADR

· Tunnel restriction code : Not applicable

- IMDG

· Marine pollutant : Not applicable

- Air transport(IATA)

· UN No. : Not applicable

· Proper shipping name : Not applicable

· Class or division : Not applicable

· Packing group : Not applicable

15. REGULATORY INFORMATION

1) Occupational Safety and Health Act in Korea
PRODUCT : Not applicable

2) Toxic Chemical Control Act in Korea
PRODUCT : Not applicable

3) Safety Control of Dangerous Substances Act in Korea
PRODUCT : Not applicable

4) Wastes Control Act in Korea
PRODUCT : Not applicable

-In case of disposal, it must be disposed of in accordance with Article 13 of the Waste Management Act.

5) Other regulations in KOREA and Abroad regulations

- ETC regulation
  - Poly(vinyl chloride) : OSHA Hazard Communication Standard: On One of the Floor Lists of the OSHA HCS (29 CFR 1910.1200)
- PERSISTENT ORGANIC POLLUTANTS CONTROL ACT
- Act on the registration and evaluation of chemicals PRODUCT : As well as manufacturing`s report shall be excluded from existing chemicals, Existing Commercial Chemical Substances
  - Poly(vinyl chloride) : Existing Commercial Chemical Substances
  - Water : As well as manufacturing`s report shall be excluded from existing chemicals, Existing Commercial Chemical Substances

16. OTHER INFORMATION

1) Reference

- International Chemical Safety Cards (ICSC)(http://www.ilo.org/public/english/protection/safework/cis/products/icsc/dtasht/index.htm)
- National Library of Medicine/Chemical Carcinogenesis Research Information System(NLM/CCRIS)(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CCRIS)
- National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)(http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB)
- 고용노동부

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- 환경부

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4) Other

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