

## Safety Data Sheet(SDS)

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

1) Product identifier : PVC STRAIGHT LS170 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(화차)

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

## Precautionary statements

Not applicable

## 3) Other hazards

## ○ Product NFPA Level

Health	Flammability	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**

#### 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

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/m <sup>3</sup> , 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

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°C
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

- 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 mg / kg 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

- 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

## 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

- 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

- 환경부

2) Print date : 2021-08-04

3) Revision date

○ Revised date count : 0

○ Last revised date : 2021-08-04

○ Last revised history :

4) Other