

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date: 29.05.2017

Version No: 5

Revision: 29.05.2017

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

· **1.1 Product identifier**

· **Trade name:**

**POLYVINYL CHLORIDE**

**SG580, SG610, SG660, SG710, SG730, SG760, SG840**

**SF580, SF581**

**SP660, SP661, SP67J**

**SG58Z, SG61Z, SG66Z, SG71Z**

**SG58J, SG61J, SG66J, SG71J, SP66J**

**SM58E, SM61E, SM66E, SM71E, SM76E, SM84E**

**SM58S, SM61S, SM66S, SM71S, SM76S**

**SC580, SC610, SC660, SC710, SC730, SC760, SC840**

**SG500**

· **CAS Number:**

9002-86-2

· **EINECS Number:**

Polymer

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Application of the substance / the preparation:** Raw material for plastic industry

· **Uses advised against:** No further relevant information available.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Thai Plastic and Chemicals Public Co., Ltd.

1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand

Tel.: +66 2586 5897

www.thaiplastic.co.th

· **Further information obtainable from:**

Technical Service and Development Department

1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand

Tel: +66 2586 2569 or +66 2586 4468

Or

Quality Assurance Department or Environmental Health and Safety Department

8, I-1 Road, Map Ta Phut Industrial Estate, Tambon Map Ta Phut, Amphoe Muang, Rayong 21150 Thailand

Tel.: +66 38 925 200 ext. 1395 or 6183

· **1.4 Emergency telephone number:**

Environmental Health and Safety Department

Tel.: +66 38 925 200 ext. 6183

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The substance is not classified according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not determined

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· **vPvB:** Not determined

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### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**
- 9002-86-2 Polyvinyl Chloride Homopolymer
- **Identification number(s) -**
- **EC number: Polymer**

&gt; 99,5 %

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
- No special measures required.
- If symptoms persist consult doctor.
- **After inhalation:** Supply fresh air.
- **After skin contact:**
- Generally the product does not irritate the skin.
- After contact with the molten product, cool rapidly with cold water.
- Do not pull solidified product off the skin.
- Seek immediate medical advice.
- **After eye contact:**
- Rinse opened eye for several minutes under running water.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:** Rinse mouth.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
- No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
- CO<sub>2</sub> powder or water spray. Fight larger fires with water spray.
- Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
- Carbon monoxide (CO)
- Hydrogen chloride (HCl)
- Phosgene gas
- Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
- Dioxins and furans.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
- Cool endangered receptacles with water spray.
- Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- Ensure adequate ventilation.

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- Wear protective clothing.*
- Avoid formation of dust.*
- Keep away from ignition sources.*
- **6.2 Environmental precautions:** *No special measures required.*
- **6.3 Methods and material for containment and cleaning up:**
  - Pick up mechanically.*
  - Dispose of the material collected according to regulations.*
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.*
  - See Section 8 for information on personal protection equipment.*
  - See Section 13 for disposal information.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Prevent formation of dust.*
  - Any unavoidable deposit of dust must be regularly removed.*
  - Ensure good ventilation/exhaustion at the workplace.*
- **Information about fire and explosion protection:**
  - Dust can combine with air to form an explosive mixture.*
  - Keep ignition sources away - Do not smoke.*
  - Protect against electrostatic charges.*
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
    - **Information about storage in one common storage facility:**
      - Store away from oxidising agents.*
      - Store away from foodstuffs.*
    - **Further information about storage conditions:**
      - Store in cool, dry conditions in well sealed receptacles.*
      - Protect from heat and direct sunlight.*
      - Store receptacle in a well ventilated area.*
  - **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Do not eat, drink, smoke or sniff while working.*
  - Keep away from foodstuffs, beverages and feed.*
  - The usual precautionary measures are to be adhered to when handling chemicals.*
- **Respiratory protection:**
  - Not necessary if room is well-ventilated.*
  - Use suitable respiratory protective device when high concentrations are present.*
  - Filter P1*
- **Protection of hands:**
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

- Strong material gloves

- Leather gloves

- **Penetration time of glove material**

- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- Form:** Powder

- Colour:** White

- **Odour:** Odourless

- **Odour threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

- Melting point/freezing point:** Not determined.

- Initial boiling point and boiling range:** Not determined.

- **Flash point:** 391 °C

- **Flammability (solid, gas):** Product is not flammable.

- **Ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

- Lower:** Not determined.

- Upper:** Not determined.

- **Oxidising properties** No

- **Vapour pressure:** Not applicable.

- **Density at 20 °C:** ~ 1.4 g/cm<sup>3</sup>

- **Relative density** Not determined.

- **Vapour density** Not applicable.

- **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with water:** Not determined.

- **Partition coefficient: n-octanol/water:** Not determined.

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- |                                |  |
|--------------------------------|--|
| · <b>Viscosity:</b>            |  |
| <b>Dynamic:</b>                | Not applicable.                            |
| <b>Kinematic:</b>              | Not applicable.                            |
| · <b>9.2 Other information</b> | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** Strong exothermic reaction with Fluor.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis gases.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Not readily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.

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- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                                    | Void   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                      | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                                | Void   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                             | No   |
| · <b>14.6 Special precautions for user</b>   | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>        | Not applicable.                                      |
| · <b>Transport/Additional information:</b>   | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:** Void
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**  
 Chemservice GmbH  
 Herrnsheimer Hauptstrasse 1b  
 D-67550 Worms  
 Tel.: +49 (0)6241-95480-0  
 Fax: +49 (0)6241-95480-25  
 Email: sds@chemservice-group.com

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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*ICAO: International Civil Aviation Organisation**ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)**REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals**MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships**IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk**UN: United Nations (also UNO: United Nations Organization)**NOEC: No Observed Effect Concentration**OECD: Organisation for Economic Co-operation and Development**ASTM: American Society for Testing and Materials**WAF: Water Accommodated Fraction**ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative*

· \* **Data compared to the previous version altered.**

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