

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

Printing date: 11.12.2013

Version No: 4

Revision: 11.12.2013

**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****SP660****SG58Z, SG61Z, SG66Z, SG71Z****SG58J, SG61J, SG66J, SG71J, SP66J****SM58E, SM61E, SM66E, SM71E, SM76E, SM84E****SC580, SC610, SC660, SC710, SC730, SC760, SC840****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**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.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void****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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**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterization: Substances**
- **CAS No. Description**  
9002-86-2 polyvinyl chloride
- **Identification number(s) -**
- **EC number:** Polymer

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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.  
Call a doctor immediately.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **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.  
Wear protective clothing.  
Avoid formation of dust.

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- 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 oxidizing 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:** Not required.
- **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.
    - 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

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· **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/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

· **Flash point:** 391 °C

· **Flammability (solid, gaseous):** Product is not flammable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Oxidizing 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.

· **Viscosity:**

Dynamic: Not applicable.

Kinematic: Not applicable.

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**· 9.2 Other information**

No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**
- **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:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.

**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.
- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not determined
- **vPvB:** Not determined
- **12.6 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>   | Void   |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>14.2 UN proper shipping name</b>   | Void   |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>14.3 Transport hazard class(es)</b>  | Void   |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>Class</b>  | Void   |
| · <b>14.4 Packing group</b>   | Void   |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>14.5 Environmental hazards:</b>  |  |
| · <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>   | -  |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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  
Von-Steuben-Str. 13  
D-67549 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)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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*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 Harmonized 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)*

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

EU