



# Safety Data Sheet

## Polyvinyl Chloride S5718

Version 1.02

Revision Date 01.08.2024

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

#### Product identifier

<b>Trade name</b>	Polyvinyl Chloride S5718
<b>Synonyms</b>	PVC, Vinyl Chloride Polymer, Chloroethylene Polymer, Polyvinyl Chloride
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Use</b>	Flooring Electrical fittings.
<b>Manufacturer or supplier's details</b>	
<b>Company Address</b>	Sasol Chemicals, a division of Sasol South Africa Ltd Sasol Place, 50 Katherine Street Sandton 2090 South Africa
<b>Telephone</b>	+27103445000
<b>E-mail address</b>	sasolchem.info.sa@sasol.com
<b>Emergency telephone number</b>	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44(0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 400 120 6011 (China) +27 (0)17 610 4444 (South Africa) 0800 112 890 RSA-Local only +61 (2) 8014 4558 (Australia)

### SECTION 2. Hazards identification

#### Classification of the substance or mixture

**REGULATION (EC) No 1272/2008**

**Classification** Not a hazardous substance or mixture.

#### Label elements

**REGULATION (EC) No 1272/2008**

Not a hazardous substance or mixture.

#### Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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### SECTION 3. Composition/information on ingredients

#### Not hazardous ingredient(s)

##### Polyvinyl chloride

Contents:  $\geq 99.00$  %W/W

CAS-No. 9002-86-2

Index-No.

EC-No.



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### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air. Obtain medical attention.
<b>Skin contact</b>	The molten product can cause serious burns. Cool skin rapidly with cold water after contact with molten polymer.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	

Refer to SECTION 11

### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Dry chemical Carbon dioxide (CO <sub>2</sub> )
<b>Special hazards arising from the substance or mixture</b>	Substance evolves toxic gases when burned.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	No special precautions required.
<b>Environmental precautions</b>	Prevent product from entering drains.
<b>Methods for cleaning up</b>	Shovel into suitable container for disposal. The material taken up must be disposed of in accordance with regulations.
<b>Reference to other sections</b>	Refer to section 8 and 13

### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Handle in accordance with good industrial hygiene and safety practice. No special handling advice required under normal conditions.
<b>Advice on protection against fire and explosion</b>	Keep away from flames, sparks or other ignition sources. Avoid buildup of dusts. Protect against static.
<b>Requirements for storage areas and containers</b>	Keep away from heat.
<b>Advice on common storage</b>	Keep in a cool, well-ventilated place.

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#### SECTION 8. Exposure controls/personal protection

##### Components with workplace control parameters

##### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
POLYVINYL CHLORIDE (PVC), RESPIRABLE DUST	TWA	5 mg/m <sup>3</sup>	1995	South Africa RELs
POLYVINYL CHLORIDE (PVC), TOTAL INHALABLE DUST	TWA	10 mg/m <sup>3</sup>	1995	South Africa RELs

Polyvinyl Chloride may contain vinyl chloride monomer in the order of 0.1 – 5 ppm by weight. Vinyl chloride is a cancer suspect agent. The occupational exposure limits for vinyl chloride is

8-Hours TWA OEL-RL: 7 ppm

Annual TWA OEL-CL: 3 ppm

Recommended atmospheric exposure limits for vinyl chloride are

TWA OEL-RL: 5 ppm

TWA OEL-RL: 15 mg/m<sup>3</sup>

The South African Occupational Health and Safety Act under the Hazardous Chemical Substances Regulation specifically regulate the exposure to hazardous chemical substances. It is necessary that the handlers and processors of Polyvinyl Chloride be familiar with these regulations. None of the information presented in this material safety datasheet should be construed to contradict or supersede the applicable South African regulations.

##### Exposure controls

##### Engineering measures

If user operations generate dust, fumes or mists, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Use only in an area equipped with explosion proof exhaust ventilation.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Ensure adequate ventilation.

##### Personal protective equipment

<b>Respiratory protection</b>	In the case of hazardous fumes, wear self contained breathing apparatus.
<b>Hand protection</b>	Impervious gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Protective suit Safety shoes
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

#### SECTION 9. Physical and chemical properties

##### Information on basic physical and chemical properties

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<b>Form</b>	Solid
<b>State of matter</b>	Solid; at 20 °C; 1,013 hPa
<b>Colour</b>	white
<b>Odour</b>	odourless
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point/range</b>	No data available
<b>Boiling point/boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	No data available
<b>Bulk density</b>	300 - 650 kg/m3
<b>Water solubility</b>	insoluble
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, kinematic</b>	No data available

#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions. To avoid thermal decomposition, do not overheat.
<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	Strong oxidizing agents
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizing agents
<b>Hazardous decomposition products</b>	Hydrogen chloride gas Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> )

#### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<b>Acute dermal toxicity</b>	No data available
<b>Skin irritation</b>	No data available
<b>Eye irritation</b>	No data available
<b>Sensitisation</b>	No data available
<b>Repeated dose toxicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Further Information</b>	No known toxicological effects

#### SECTION 12. Ecological information

<b>Toxicity to fish</b>	No data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	No data available

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<b>Toxicity to algae</b>	No data available
<b>Toxicity to bacteria</b>	No data available
<b>Toxicity to fish</b>	No data available
<b>Chronic toxicity in aquatic invertebrates</b>	No data available
<b>Biodegradability</b>	No data available
<b>Physico-chemical removability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Other adverse effects</b>	This product has no known ecotoxicological effects.

#### SECTION 13. Disposal considerations

<b>Product</b>	Disposal should be in accordance with local, regional and national legislations.
<b>Packaging</b>	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

#### SECTION 14. Transport information

<b>Further Information</b>	Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR
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#### SECTION 15. Regulatory information

##### Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
<b>Canadian Domestic Substances List (DSL)</b>	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
<b>Australian Inv. of Chem. Substances (AICS)</b>	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and</b>	All chemical constituents are listed in: Philippines Inventory of

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#### Chemical Substances (PICCS)

Chemicals and Chemical Substances (PICCS) (See chapter 3)

#### China Inv. Existing Chemical Substances (IECSC)

All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

### SECTION 16. Other information

#### Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.



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