



Material Safety Data Sheet

Material Safety Data Sheet

STARSEAL PS PG/PS GG

Rev.: A, Date: 25.06.2025



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STARSEAL PS PG/PS GG



The enclosed Material Safety Data Sheet (MSDS), provides the latest information of products you have received from our company. Since you may redirect the product to more than one workplace, please be ensured that this information is disseminated to all person's handling the product.

This MSDS, supersedes all previous sheets versions provided for the products. This version has either been revised since the last time you purchased the product. Replacement of an old version is highly recommended.

Our MSDS, is the primary awareness tool for transmitting the health and safety, environment and disposal information on our products. In fact, our highest concern and priority is that our customer understands the nature of hazards associated with the product, how to use it safely and in compliance with relevant regulations.

STAR Technology, expects and highly recommends you to read and understand carefully the entire MSDS. There are some very significant information and guidelines you should know and be taken seriously. Strictly, follow the precautions identified and stated on this MSDS. Otherwise, you use conditions would necessitate other's appropriate methods or actions.

STAR Technology, will not be liable for any MSDS obtained through other sources. Always ask STAR for an updated copy of MSDS, for assurance. Should you need any clarifications or inquiries regarding the safety handling, correct storage, proper uses and legal disposal of our products; don't hesitate to contact us.

1. Product & Use & Manufacturer Address

1.1	Product Name	:	STARSEAL PS PG/PS GG Part A
1.2	Uses of Product	:	Two Component, Polysulfide Based Elastomeric, Fuel Resistance Trafficable Joint Sealant Pourable & Gun Grade
1.3	Company	:	STAR Factory Company Ltd 1 st Industrial Area Jeddah, P.O. Box: 22427, Jeddah, Kingdom of Saudi Arabia Tel: +966 122680009 Email: Info@star-ksa.com

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2. Hazardous Ingredients

2.1 Chemical Composition

Chemical	Weights	CAS Number
Modified Polysulfide Polymer	20 – 40 %	68611-50-7
Calcium Carbonate	20– 30 %	471-34-1
Plasticizers / Additives	5 – 10 %	Proprietary

3. Hazardous Identification

3.1	Classification on the substance or mixture	Skin Irritation – Category 2 Eye Irritation – Category 2A Skin Sensitization – Category 1
3.2	Label Elements	Signal Word: Warning
3.3	Hazard Statements	H315 – Causes skin irritation H317 – May cause allergic skin reaction H319 – Causes serious eye irritation
3.4	Precautionary statements	P261 – Avoid breathing vapours P264 – Wash hands thoroughly after handling P280 – Wear protective gloves / eye protection P302+P352 – IF ON SKIN: Wash with soap and water P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes P333+P313 – If skin irritation occurs: Get medical advice
3.5	Other hazards	N/A
3.6	GHS Hazard Symbols	

4. First Aid Measures

4.1	Eye Contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
4.2	Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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4.3	Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
4.4	Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues

5. Fire Fighting Measures

5.1	Suitable Extinguishing Media	- Water Spray, Foam, Carbon dioxide (CO ₂), dry chemical, water fog.
5.2	Combustion - Exposure Hazards	- In case of fire oxides of carbon, sulfur and carbonaceous by products.
5.3	Advice for Fire Fighters & Precautions	- Wear self contained breathing apparatus and full protective clothing - Do not allow run-off water to enter sewers and water sources. - Water spray should be used to cool containers
5.4	Unsuitable Extinguishing Media	N/A

6. Accidental Release Measures

6.1	Personal Precautions	Wear suitable protective clothing, hand impervious gloves, eye/face protection gear and protective footwear like rubber boots. Avoid contact with skin, Inhalation
6.2	Environmental Precautions	Prevent release to the environment, entry into drains, sewers and any other water courses.
6.3	Decontamination Procedures	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

7. Handling and Storage

7.1	Handling	Use adequate ventilation. Avoid prolonged and repeated contacting with eyes and skin. Avoid eating and smoking in proximity of the work areas. Keep away from sources of ignition – No smoking.
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7.2	Storage	Store in shaded, ventilated and dry place. Keep product closed when not in use. Keep from freezing and storage temperature between 10 – 35 degrees Celsius. Keep out of reach of children.
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8. Exposure Controls / Personal Protection

Exposure Controls:

8.1	Engineering Control Measures	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
8.2	Personal Protective Equipment	Avoid skin and eye contact. Wear impervious gloves (eg. nitrile or neoprene), goggles. Wear suitable respiratory, eye, skin, protective equipment.
8.3	Occupational Exposure Limits	None assigned
8.4	Biological Limit Values	No limit allocated
8.5	Other Exposure Information	TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

9. Physical and Chemical Properties

9.1	Physical State	Paste
9.2	Color	Off White
9.3	Odor	Organic compound
9.4	Boiling Point/Range	N/A
9.5	Melting Point	N/A
9.6	Flash Point	125°C
9.7	Auto Flammability	Not Combustible
9.8	Explosive Properties	Not explosive
9.9	pH	N/A
9.10	Vapor Pressure	N/A
9.11	Water Solubility	Immiscible
9.12	Relative Density	1.45-1.55
9.13	Solubility in Organic Solvents	Insoluble
9.14	Other Information	VOC 40 g/ltr

10. Stability and Reactivity

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10.1	Reactivity	There are no known reactivity hazards associated with this product.
10.2	Chemical Stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	Reacts with Incompatibles
10.4	Conditions to avoid	Direct sunlight, Heat, Sources for ignition
10.5	Materials to avoid	Avoid oxidizing materials and strong acids
10.6	Hazardous decomposition products	Non, under normal storage and use condition
10.7	Hazardous Polymerization	Will not occur

11. Toxicological Information

Toxicity:

11.1	On eyes	May cause irritation to eyes. Symptoms may include redness, excessive tearing, stinging and swelling.
11.2	On skin	May cause irritation to skin. Symptoms may include redness and itchiness. Repeated and prolonged skin contact may lead to dermatitis.
11.3	By Inhalation	May cause irritation to respiratory system. Symptoms may include headache, nausea and dizziness.
11.4	By Ingestion	May cause irritation to gastrointestinal system. Symptoms may include nausea, vomiting and diarrhea
11.5	Chronic	Prolonged and repeated exposure may cause liver and kidney failure.

12. Ecological Information

Ecotoxicity

12.1	Environmental Assessment	Do not allow product to enter drains, waterways or sewers.
12.2	Mobility	No information available
12.3	Persistence and Degradability	No information available
12.4	Bio accumulative and Potential	No information available

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12.5	Eco toxicity	No information available
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13. Disposal Considerations

Disposal must be in accordance with local and national legislation.

14. Transport Information

UN/SI No. Packing Group, not applicable.

15. Regulatory Information

Hazard Label Data:

15.1	Risk Phrases	R20/22, Harmful by inhalation and swallowed. R40, Possible risk of irreversible effects. R43, May cause skin sensitization.
15.2	Safety Phrases	S45, Accident or unwell contact a physician immediately for medical advices. S53,Avoid exposure obtain special instructions before use.

16. Other Information

The data and advice given apply when the product is used for the stated applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet.

The product should not be used other than for the stated applications without seeking advices from STAR Technology. If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this MSDS can be obtained from STAR Technology.

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2. Product & Use & Manufacturer Address

1.1	Product Name	:	STARSEAL PS PG/PS GG Part B
1.2	Uses of Product	:	Two Component, Polysulfide Based Elastomeric, Fuel Resistance Trafficable Joint Sealant Pourable & Gun Grade
1.3	Company	:	STAR Factory Company Ltd 1 st Industrial Area Jeddah, P.O. Box: 22427, Jeddah, Kingdom of Saudi Arabia Tel: +966 122680009 Email: Info@star-ksa.com

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2. Hazardous Ingredients

2.1 Chemical Composition

Chemical	Weights	CAS Number
Manganese dioxide dispersed paraffin base	>90%	1313 – 13 - 9

3. Hazardous Identification

3.1	Classification on the substance or mixture	Flammable Liquid – Category 3 Acute Toxicity (Oral) – Category 4 Acute Toxicity (Inhalation) – Category 4 Skin Irritation – Category 2 Eye Irritation – Category 2A
3.2	Label Elements	Signal Word: Warning
3.3	Hazard Statements	H226 – Flammable liquid and vapour H302 – Harmful if swallowed H332 – Harmful if inhaled H315 – Causes skin irritation H319 – Causes serious eye irritation
3.4	Precautionary statements	P210 – Keep away from heat, sparks, open flames P261 – Avoid breathing vapours P280 – Wear protective gloves / eye protection P301+P312 – IF SWALLOWED: Call a doctor if unwell P305+P351+P338 – IF IN EYES: Rinse with water P370+P378 – In case of fire: Use foam, CO ₂ , dry powder
3.5	Other hazards	Vapours may form explosive mixtures with air
3.6	GHS Hazard Symbols	

4. First Aid Measures

4.1	Eye Contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
4.2	Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with

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		soap and water. Get medical attention if any discomfort continues.
4.3	Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
4.4	Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues

5. Fire Fighting Measures

5.1	Suitable Extinguishing Media	- Water Spray, Foam, Carbon dioxide (CO ₂), dry chemical, water fog.
5.2	Combustion - Exposure Hazards	- In case of fire oxides of carbon, sulfur and carbonaceous by products.
5.3	Advice for Fire Fighters & Precautions	- Wear self contained breathing apparatus and full protective clothing - Do not allow run-off water to enter sewers and water sources. - Water spray should be used to cool containers
5.4	Unsuitable Extinguishing Media	N/A

6. Accidental Release Measures

6.1	Personal Precautions	Wear suitable protective clothing, hand impervious gloves, eye/face protection gear and protective footwear like rubber boots. Avoid contact with skin, Inhalation
6.2	Environmental Precautions	Prevent release to the environment, entry into drains, sewers and any other water courses.
6.3	Decontamination Procedures	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

7. Handling and Storage

7.1	Handling	Use adequate ventilation. Avoid prolonged and repeated contacting with eyes and skin. Avoid eating and smoking in
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		proximity of the work areas. Keep away from sources of ignition – No smoking.
7.2	Storage	Store in shaded, ventilated and dry place. Keep product closed when not in use. Keep from freezing and storage temperature between 10 – 35 degrees Celsius. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Exposure Controls:

8.1	Engineering Control Measures	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
8.2	Personal Protective Equipment	Avoid skin and eye contact. Wear impervious gloves (eg. nitrile or neoprene), goggles. Wear suitable respiratory, eye, skin, protective equipment.
8.3	Occupational Exposure Limits	None assigned
8.4	Biological Limit Values	No limit allocated
8.5	Other Exposure Information	TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

9. Physical and Chemical Properties

9.1	Physical State	Paste
9.2	Color	Black
9.3	Odor	Paraffinic oil based hydrocarbon
9.4	Boiling Point/Range	N/A
9.5	Viscosity	25000 cps ± 5000
9.6	Flash Point	60°C
9.7	Auto Flammability	230°C
9.8	Explosive Properties	Not explosive
9.9	pH	N/A
9.10	Vapor Pressure	Negligible
9.11	Water Solubility	Immiscible
9.12	Relative Density	1.45-1.55
9.13	Solubility in Organic Solvents	<50 mg/ltr.

10. Stability and Reactivity

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10.1	Reactivity	There are no known reactivity hazards associated with this product.
10.2	Chemical Stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	Reacts with Incompatibles
10.4	Conditions to avoid	Direct sunlight, Heat, Sources for ignition
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12. Ecological Information

Ecotoxicity

12.1	Environmental Assessment	Do not allow product to enter drains, waterways or sewers.
12.2	Mobility	No information available
12.3	Persistence and Degradability	No information available
12.4	Bio accumulative and Potential	No information available

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12.5	Eco toxicity	LC50:1 -10 mg/liter
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13. Disposal Considerations

Dried residues are non-hazardous and non-flammable, although cloths used to apply the product will retain a flammability risk until they are either laundered or allowed to dry completely. Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids/paints.

14. Transport Information

14.1	UN / SI No.	: 1999
14.2	IMO class	: 3.3
14.3	Packaging Group	: III
14.4	Marine Pollutant	: Yes
14.5	IATA / ICAO Class	: 3
14.6	ADR Class	: 3

15. Regulatory Information

15.1	Labelling	Dangerous Substances Directives, 67/548/EEC Dangerous Preparations Directives, 88/379/EEC Safety Data Sheets Directives, 91/155/EEC
15.2	Symbol	Xn
15.3	Risk Phrases	Flammable. Harmful, possible risk of irreversible effects in contact with skin.
15.4	Safety Phrases	Avoid contact with eyes and skin, if in case contacted wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. Used in well ventilated areas
15.5	Statutory Instruments	Chemicals (Hazard and information pack), regs. 1988 (SI1746). Control of substances hazardous to health, regs. 1988 (SI1657)
15.6	Codes of Practice	Waste Management. The duty of care. The control substances hazardous to health and control of carcinogenic substances (L5).

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