Material Safety Data Sheet

STARFIX PU-600

Rev.: A, Date: 25.06.2025

STARFIX PU-600

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; dont hesitate to contact us.

1. Product & Use & Manufacturer Address

1.1	Product Name	:	STARFIX PU-600
1.2	Uses of Product	:	Single Component Polyurethane Joint Sealant
1.3	Company	:	STAR Technology 1st Industrial Area Jeddah, P.O. Box , Jeddah, Kingdom of Saudi Arabia Tel: +966 Fax: +966 Email:

STARFIX PU-600

2. Hazardous Ingredients

2.1 Chemical Composition

Chemical	Weights	CAS Number
Isocyanate Pre-Polymers	25 - 40 %	Proprietary
Fillers	40 - 60 %	CAS Number: 1317-65-3
Calcium Oxide	0 - 5 %	CAS Number: 1305-78-8

HS Code: 3214.10.80

3. Hazardous Identification

3.1	Classification on the substance or mixture	R42 (May cause sensitization when inhaled)
3.2	Label Elements	Signal Word: N/A
3.3	Hazard Statements	N/A
3.4	Precautionary statements	N/A
3.5	Safety Statements	S2 (Out of reach Children), S45 (Applicator feels unwell, contact medical assistance), S23 (Don't breath vapour), .
3.6	Other hazards	As from 24 August 2023 adequate training is required before industrial

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.
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 (CO2), dry chemical, water fog.
5.2	Combustion - Exposure Hazards	- Burning produces irritating, toxic and obnoxious fumes. - Nitrogen and carbon oxides may be formed - Isocyanites, Hydrogen Cyanide, Sulfur Dioxide
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	- Water Jets

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. Aviod eating and smoking in 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	Mastic Material
9.2	Color	Various
9.3	Odor	Slight / Faint
9.4	Boiling Point/Range	N/A
9.5	Melting Point	N/A
9.6	Flash Point	> 61 C
9.7	Auto Flammability	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	1.3 – 1.4
9.13	Solubility in Organic Solvents	Partly
9.14	Other Information	VOC <30 g/lit

10. Stability and Reactivity

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	Strong oxidizing agents, Acids, Amines, Alcohol, Water
10.6	Hazardous decomposition products	Isocyanates, carbon monoxide and dioxide, smoke, nitrogen oxide, hydrogen chloride, hydrogen cyanide, sulfur dioxide.
10.7	Hazardous Polymerization	During polymerization, carbon dioxide, which in closed containers can result in pressurization.

11. Toxicological Information

Toxicity:

11.1	Inhalation	No data available
11.2	Skin Contact	No data available

Immediate Effects:

11.3	Inhalation	Light irritation
11.4	Skin Contact	Light irritation
11.5	Eye Contact	Light irritation

Potential Chronic Effects:

11.6	Heritable Genetic Damage	No effect
11.7	Carcinogenic Effect	No effect
11.8	Risk Impaired Fertility	No risk
11.9	Sensitization	May cause light irritation by inhalation
11.10	Signs of Overexposure	No data available

12. Ecological Information

Ecotoxicity

12.1	Eco Toxicity	Harmful to aquatic organism and may cause long term adverse effects in the aquatic environment
12.2	Persistence and degradability	No information available
12.3	Bioaccumulative potential	No information available
12.4	Mobility in soil	No information available
12.5	Results of PBT and vPvB assessment	No information available
12.6	Endocrine disrupting properties	No information available
12.7	Other adverse effects	Avoid entering this material into water ways like drainage and sewers

13. Disposal Considerations

Disposal must be in accordance with local and national legislation.

13.1	Unused Product	Dispose of in an approved manner – Licensed Waste Disposal site. Do not empty into drains, sewers or water courses.
13.2	Used / Contaminated Product	As for unused product.
13.3	Packaging	To be disposed to a licensed and approved waste company

14. Transport Information

Label: N/A

14.1	Air (ICAO/IATA)	No classified as dangerous
14.2	Road/Rail (ADR/RID)	No classified as dangerous
14.3	Sea (IMDG)	No classified as dangerous

15. Regulatory Information

Hazard Label Data:

15.1	Name of Ingredients	Contains Isocyanates – Contains Diisocyanate – 4′4 diphenylmethane
15.2	Symbol	Xn Harmful
15.3	Risk Phrases	R42 (Irritation of Skin, Eye and Respitatory Tract)
15.4	Safety Phrases	As stated before

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.