Material Safety Data Sheet

STARBOND WN

Rev.: A, Date: 25.06.2025

STARBOND WN

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	:	STARBOND WN
1.2	Uses of Product	:	Single Component, UV Stable, High Modulus, Neutral Curing Silicone Sealant
1.3	Company	:	STAR Factory Company Ltd 1st 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
Hydroxyl-Terminated Polydimethylsiloxane	30–60%	63148-62-9
Inert Mineral Fillers	25–45%	Proprietary
Silicone Fluid	5–15%	Proprietary
Amorphous Fumed Silica	1–10%	112945-52-5
Organofunctional Silane	<3%	Proprietary

HS Code:

3. Hazardous Identification

3.1	Classification on the substance or mixture	Non Hazardous Substance
3.2	Label Elements	Signal Word: N/A
3.3	Hazard Statements	Not classified as hazardous under GHS. Prolonged or repeated contact may cause mild eye or skin irritation. During curing, small amounts of alcohol or other curing by-products may be released.
3.4	Precautionary statements	☐ Avoid contact with eyes and skin. ☐ Use only in well-ventilated areas. ☐ Wear suitable protective gloves and eye protection. ☐ Keep out of reach of children. ☐ Avoid release into the environment.
3.5	Safety Statements	☐ P102 Keep out of reach of children. ☐ P280 Wear protective gloves and eye protection. ☐ P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. ☐ P501 Dispose of contents/container according to local regulations.
3.6	Other hazards	Non known
3.7	GHS Hazard Symbols	No pictogram required.

4. First Aid Measures

4.1	Eye Contact	Immediately flush eyes with plenty of clean water for at least 15 minutes while holding the eyelids open. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

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	Rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention if discomfort persists.

5. Fire Fighting Measures

Product is not classified as flammable under normal conditions. However, exposure to fire or excessive heat may produce hazardous decomposition products.

5.1	Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide (CO_2). Use extinguishing media appropriate for the surrounding fire.
5.2	Combustion - Exposure Hazards	Thermal decomposition may produce: • Carbon monoxide (CO) • Carbon dioxide (CO_2) • Silicon oxides • Formaldehyde (trace amounts at elevated temperatures) • Metal oxides (depending on fillers and pigments)
5.3	Advice for Fire Fighters & Precautions	• Wear self-contained breathing apparatus (SCBA) and full protective clothing. • Cool exposed containers with water spray. • Prevent contaminated fire-fighting water from entering drains, sewers or natural waterways.
5.4	Unsuitable Extinguishing Media	Non Known

6. Accidental Release Measures

6.1	Personal Precautions	Wear suitable protective gloves, safety glasses and protective clothing. Avoid contact with eyes and skin. Ensure adequate ventilation. Avoid breathing vapors or curing by-products.
6.2	Environmental Precautions	Prevent release to the environment, entry into drains, sewers and any other water courses.

6.3	Decontamination Procedures	Stop leakage if it can be done safely. Collect spilled material using a scraper or absorb with sand, earth or other inert absorbent material. Place waste into suitable containers for disposal in accordance with local regulations. Clean contaminated surfaces with suitable detergent and water.

7. Handling and Storage

7.1	Handling	Use only in well-ventilated areas. Avoid contact with eyes and prolonged skin contact. Do not eat, drink or smoke while handling this product. Wash hands thoroughly after use. Keep container tightly closed when not in use.
7.2	Storage	Store in the original tightly closed container in a cool, dry and well-ventilated place. Protect from moisture, direct sunlight and freezing. Recommended storage temperature: 5–35°C. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Exposure Controls:

8.1	Engineering Control Measures	Ensure adequate ventilation during use. Use local exhaust ventilation where necessary to maintain airborne concentrations below applicable occupational exposure limits. Avoid inhalation of vapors generated during curing.
8.2	Personal Protective Equipment	**Eye Protection:** Safety glasses or chemical splash goggles. **Hand Protection:** Chemical-resistant gloves (e.g., nitrile or neoprene). **Skin Protection:** Suitable protective clothing to minimize skin contact. **Respiratory Protection:** Normally not required under adequate ventilation. If ventilation is insufficient, use an approved organic vapor respirator.
8.3	Occupational Exposure Limits	No occupational exposure limits established for the mixture. Observe applicable exposure limits for individual ingredients where required.
8.4	Biological Limit Values	No biological exposure limits established.
8.5	Other Exposure Information	**TWA (Time-Weighted Average):** Average airborne concentration over an 8-hour workday and 40-hour workweek. **STEL (Short-Term Exposure Limit):** Average airborne concentration over a 15-minute period that should not be exceeded.

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9. Physical and Chemical Properties

9.1	Physical State	Mastic Material
9.2	Color	RAL colors upon request
9.3	Odor	Acetic acid odor
9.4	Boiling Point/Range	N/A
9.5	Melting Point	N/A
9.6	Flash Point	>100°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	Insoluble
9.12	Relative Density	1.36-1.40
9.13	Solubility in Organic Solvents	Partly
9.14	Other Information	VOC 45 g/ltr

10. Stability and Reactivity

10.1	Reactivity	There are no known hazardous reactions under normal conditions of storage and use.
10.2	Chemical Stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions are expected under normal conditions of use. Moisture initiates the curing process.
10.4	Conditions to avoid	Avoid excessive heat, direct sunlight, moisture before use, and freezing. Keep container tightly closed until use.
10.5	Materials to avoid	Strong oxidizing agents, strong acids and strong alkalis.
10.6	Hazardous decomposition products	Thermal decomposition may produce: • Carbon monoxide (CO) • Carbon dioxide (CO_2) • Silicon oxides • Formaldehyde (trace amounts at elevated temperatures) • Metal oxides
10.7	Hazardous Polymerization	Will not occur

11. Toxicological Information

Toxicity:

11.1	Inhalation	May cause mild respiratory irritation if vapors generated during curing are inhaled.
11.2	Skin Contact	Prolonged or repeated contact may cause mild skin irritation.

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	No information available
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	No information available

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	Either washed and re-use or to be disposed to a licensed and approved waste company

14. Transport Information

Label: N/A

14.1	Air (ICAO/IATA)	Not regulated as dangerous goods
14.2	Road/Rail (ADR/RID)	No classified as dangerous
14.3	Sea (IMDG)	Not regulated as dangerous goods

15. Regulatory Information

Hazard Label Data:

15.1	Name of Ingredients	Product classified in accordance with applicable GHS regulations.
15.2	Symbol	No GHS hazard pictogram required.
15.3	Risk Phrases	Refer to Section 2 – Hazard Identification.
15.4	Safety Phrases	Refer to Section 2 – Precautionary Statements.

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.