



Material Safety Data Sheet

Material Safety Data Sheet

STARPROOF HR 900

Rev.: A, Date: 25.06.2025

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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 Technologies, 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 Technologies, 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	: STARPROOF HR 900
1.2	Uses of Product	: Acrylic Heat Reflective Waterproofing Coating
1.3	Company	: STAR Technologies 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
Acrylic Co-Polymer	40-50	Proprietary
Pigment Fillers	25-45	1317-65-3
Water	20-30	7732-18-15
Chemical Additives HS Code: 3209.10	1-5	Proprietary

3. Hazardous Identification

3.1	Safety Phrases	S24/25/26, Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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4. First Aid Measures

4.1	Eye Contact	Rinse immediately with plenty of water until irritation subsides. Contact a physician for medical advices.
4.2	Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing. If symptoms persists, contact a physician for medical advices.
4.3	Inhalation	Bring the affected person to a place with fresh air, let him rest and keep warm. Contact a physician for medical advices
4.4	Ingestion	Wash out mouth with water. Do not induce vomiting. Contact a physician for medical advices

5. Fire Fighting Measures

5.1	Suitable Extinguishing Media	Carbon dioxide (CO2), dry chemical, water fog.
5.2	Special Exposure Hazards	Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water sprat.

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5.3	Special Protective Equipment	Self-contained breathing apparatus.
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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.
6.2	Environmental Precautions	Prevent entry into drains, sewers and any other water courses.
6.3	Decontamination Procedures	Avoid creating dust in the atmosphere. Gather into containers.

7. Handling and Storage

7.1	Handling	Use adequate ventilation. Avoid creating and breathing dust. Avoid prolonged and repeated contacting with eyes and skin.
7.2	Storage	Store in shaded and dry place. Keep pails 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

8.1	Engineering Control Measures	No specific ventilation requirement noted
8.2	Personal Protective Equipment	Avoid skin and eye contact, impervious gloves (eg. nitrile or neoprene), goggles. When mist occurs during spraying operations, wear suitable respiratory protective equipment
8.3	Occupational Exposure Limits	None assigned

9. Physical and Chemical Properties

9.1	Physical State	Liquid Paste
9.2	Color	White
9.3	Odor	Slight / Faint
9.4	Boiling Point/Range	100°C
9.5	Melting Point	N/A
9.6	Flash Point	None

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9.7	Auto Flammability	None flammable
9.8	Explosive Properties	Not explosive
9.9	pH	7.5 – 9.0
9.10	Vapor Pressure	2.3 (water)
9.11	Water Solubility	Emulsifiable
9.12	Relative Density	1.25

10. Stability and Reactivity

10.1	Stability	Stable under recommended storage conditions.
10.2	Conditions to Avoid	Temperature (C) below 2
10.3	Materials to Avoid	Unknown
10.4	Hazardous Decomposition Products	Thermal decomposition. Oxides of carbon

11. Toxicological Information

Health Effects:

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Oral LD50, rat.> 5000 mg/kg. Dermal LD50, rat/rabbit > 5000 mg/kg.

11.1	On Eyes	May cause transient irritation.
11.2	On Skin	Unlikely to irritate on brief or occasional exposure.
11.3	By Inhalation	Low volatility makes inhalation unlikely at ambient temperatures.
11.4	By Ingestion	May cause irritation of mouth, throat and digestive tract.
11.5	Chronic	Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

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12. Ecological Information

12.1	Environmental Assessment	When used and disposed of as intended, no adverse environmental effects are foreseen.
12.2	Mobility	Mobile liquid, emulsifiable in water.
12.3	Persistence and Degradability	Inherently biodegradable.
12.4	Bio accumulative and Potential	Not expected to be bio-accumulative
12.5	Eco toxicity	Not expected to be eco-toxic to fish/daphnia/algae

13. Disposal Considerations

Disposal must be in accordance with local and national legislation.

13.1	Unused Product	Dispose of in an approved manner. Do not empty into drains, sewers or water courses.
13.2	Used / Contaminated Product	As for unused product.
13.3	Packaging	May be steam cleaned and recycled

14. Transport Information

This product is not classified as dangerous to transport.

15. Regulatory Information

Hazard Label Data:

15.1	Safety Phrases	Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye protection.
15.2	EC Directives	Dangerous Substances Directive 67/548/EEC and adaptations. Dangerous Preparation Directive, 88/379/EEC. Safety Data Sheets Directive, 91/155/EEC.
15.3	Statutory Instruments	Chemicals (Hazards Information and Packaging) (reg. 1993, SI 1746). Health and Safety at Work Etc. Act. 1974. Control of Substances Hazardous to Health (reg. 1988, SI 1657)
15.4	Codes of Practice	Water Management the Duty of Care.
15.5	Guidance Notes	Occupational skin diseases: health and safety precautions (EH26). Dust in workplace: general principles of protection

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		(EH44). Occupational exposure limits (EH40). The above applications are available from HMSO.
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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 Technologies. 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 Technologies.