MATERIAL SAFETY DATA SHEET / SAFETY DATA SHEET

Sodium Naphthalene Formaldehyde (SNF) 18% Grade

16-section industrial safety document for the specified SNF grade

Product Code	GAC-SNF-18	**MSDS No.**	MSDS-GAC-SNF-18-260515A
CAS No.	36290-04-7	**HS Code**	3824401000
CB Number	CB8129327	**Revision**	1.0
Issue Date	May 15, 2026	**Prepared For**	Industrial use
Supplier	GREEN AGROCHEM Industrial Chemicals	**Email**	info@greenagrochem.com

Product Type	Physical Form	Recommended Use	Document Status
Sodium naphthalene sulfonate formaldehyde condensate	Brown or dark brown powder	Concrete water reducer / dispersant	Grade-specific 16-section MSDS

SECTION 1: Identification

Product Identifier	Sodium Naphthalene Formaldehyde (SNF) 18% Grade
Synonyms	SNF, NSF, PNS, sodium naphthalene sulfonate formaldehyde condensate
CAS No.	36290-04-7
Recommended Use	Concrete water reducer, dispersant, cement admixture, oil well cement aid, leather tanning auxiliary and industrial formulation aid.
Supplier	GREEN AGROCHEM Industrial Chemicals | LigninCorp | www.lignincorp.com | info@greenagrochem.com
Emergency Contact	Contact supplier during normal business hours or follow local emergency response procedures.

SECTION 2: Hazard(s) Identification

GHS Classification	Not classified as hazardous under normal industrial handling based on available supplied product information. Final classification may vary by region and formulation.
Signal Word	Not applicable based on available information.
Pictogram	Not applicable unless required by local regulation or formulation-specific classification.
Potential Hazards	Dust may cause mild eye, skin, nose or throat irritation. Prolonged inhalation of dust should be avoided.
Precautionary Statements	Avoid breathing dust. Wear eye protection and suitable gloves during handling. Wash hands after use. Keep bag tightly closed when not in use.

SECTION 3: Composition / Information on Ingredients

Substance / Mixture	Mixture / industrial grade powder based on sodium naphthalene sulfonate formaldehyde condensate.
Main Component	Sodium naphthalene sulfonate formaldehyde condensate, sodium salt; CAS No. 36290-04-7.
Grade Description	Sodium naphthalene sulfonate formaldehyde condensate powder, 18% sodium sulfate grade.
Grade Specification Basis	Sodium sulfate content: 18% max; chloride content: 0.5% max; solids content: 91% min; pH: 7 - 9.
Impurities / Additives	Residual inorganic salts and moisture may be present within specification limits.
Trade Secret Statement	Exact composition may be proprietary and is controlled by contract specification and batch COA.

SECTION 4: First-Aid Measures

Inhalation	Move affected person to fresh air. If coughing, breathing discomfort or irritation persists, seek medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
Eye Contact	Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if discomfort occurs.
Most Important Symptoms	Temporary irritation of eyes, skin or respiratory tract due to dust exposure.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, foam, dry chemical powder or carbon dioxide. Select media suitable for surrounding fire.
Unsuitable Media	Do not use a direct high-pressure water jet if it disperses dust or material.
Specific Hazards	Combustion may generate carbon oxides, sulfur oxides and irritating fumes.
Protective Equipment	Firefighters should wear self-contained breathing apparatus and full protective gear when necessary.

SECTION 6: Accidental Release Measures

Personal Precautions	Avoid dust generation and inhalation. Use eye protection, gloves and a dust mask/respirator where ventilation is insufficient.
Environmental Precautions	Prevent large quantities from entering drains, waterways or soil.
Cleanup Methods	Sweep or vacuum spilled material into suitable containers. Avoid creating airborne dust. Reuse if uncontaminated or dispose of according to local regulations.

SECTION 7: Handling and Storage

Handling	Handle in a well-ventilated area. Avoid dust formation, contact with eyes and prolonged skin contact. Keep bags away from sharp objects during transfer.
Storage	Store in a dry, cool and well-ventilated warehouse in original packaging. Keep away from moisture and incompatible materials.
Specific Use	Industrial formulation and concrete admixture use. Pre-test compatibility with other admixtures and cement systems.

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits	No product-specific occupational exposure limit established. Follow local nuisance dust / particulate exposure limits where applicable.
Engineering Controls	Use local exhaust ventilation or dust collection where dust may be generated.
Respiratory Protection	Use a suitable dust mask or particulate respirator when airborne dust is present.
Eye / Face Protection	Wear safety glasses or chemical goggles when handling powder.
Skin Protection	Wear protective gloves and work clothing. Wash hands after handling.
Hygiene Measures	Do not eat, drink or smoke during handling. Maintain good industrial hygiene.

SECTION 9: Physical and Chemical Properties

Appearance	Brown or dark brown powder
Odor	Slight or characteristic odor.
pH	7 - 9, solution basis according to supplied specification.
Solubility	Soluble/dispersible in water.
Solids Content	91% min according to supplied specification.
Surface Tension	(71 +/- 1) x 10^-3 N/m according to supplied specification.
Grade-Specific Specification	Sodium sulfate content: 18% max; chloride content: 0.5% max; solids content: 91% min; pH: 7 - 9.
Melting / Boiling Point	No data available.
Flash Point	No data available; not expected to be readily flammable under normal handling.
Bulk Density	No data available in supplied TDS files.

SECTION 10: Stability and Reactivity

Reactivity	No dangerous reaction known under normal handling and storage conditions.
Chemical Stability	Stable under recommended dry storage conditions.
Possibility of Hazardous Reactions	No hazardous polymerization expected.
Conditions to Avoid	Moisture, excessive dust generation, open flames and high heat.
Incompatible Materials	Strong oxidizing agents; strong acids or bases may affect product performance.
Hazardous Decomposition Products	Carbon oxides, sulfur oxides and irritating fumes under fire conditions.

SECTION 11: Toxicological Information

Likely Routes of Exposure	Inhalation of dust, eye contact, skin contact and accidental ingestion.
Acute Effects	Dust may cause temporary eye or respiratory irritation. Skin contact may cause mild irritation in sensitive individuals.
Chronic Effects	No product-specific chronic toxicity data available.
Carcinogenicity	No product-specific data available based on supplied information.
Additional Information	Toxicological properties have not been fully determined for all formulations. Use standard industrial hygiene precautions.

SECTION 12: Ecological Information

Ecotoxicity	No product-specific data available. Avoid release to the environment.
Persistence and Degradability	No data available for the final product.
Bioaccumulative Potential	No data available for the final product.
Mobility in Soil	Water-soluble/dispersible material may migrate with water.
Other Adverse Effects	Large releases may affect water quality and should be prevented.

SECTION 13: Disposal Considerations

Waste Treatment	Dispose of unused material and contaminated packaging according to local, regional and national regulations.
Packaging	Empty bags should be handled to minimize dust and disposed/recycled according to local requirements.
Recommendation	Do not discharge large quantities into drains or natural waterways.

SECTION 14: Transport Information

UN Number	Not regulated as dangerous goods based on available information.
UN Proper Shipping Name	Not applicable.
Transport Hazard Class	Not applicable.
Packing Group	Not applicable.
Environmental Hazards	Not classified as a marine pollutant based on available information.
Special Precautions	Protect from moisture and package damage during transport. Avoid dust release if bags are broken.

SECTION 15: Regulatory Information

Regulatory Status	This document is prepared for industrial reference. Final classification, labeling and transport compliance must be verified against destination-country regulations and customer requirements.
Inventory / Compliance	Users and importers are responsible for confirming inventory listing, registration and use restrictions in the destination market.
Hazard Communication	Use the current 16-section SDS/MSDS format and provide worker training according to applicable regulations.

SECTION 16: Other Information

Revision Date	May 15, 2026
Revision No.	1.0
Prepared By	GREEN AGROCHEM Industrial Chemicals - Technical Documentation
Source Basis	Source file: Sodium Naphthalene Formaldehyde18%.pdf. The source specification shows Na2SO4 content <18 and SNF powder data.
Disclaimer	The information is provided in good faith based on supplied technical data and available safety references. It does not constitute a warranty. Product suitability and regulatory compliance must be verified by the user, buyer or importer before use, sale or shipment.