



NS-SALT™

Purified Inorganic Salt

TECHNICAL DATA SHEET NSS62525NNA01

DESCRIPTION

NS-SALT™ Calcium Chloride Flakes are white, free-flowing flakes that meet or exceed ASTM D98 and AASHTO M144 purity requirements for Type S, Grade 3, Class B calcium chloride. With a minimum of 83% active ingredient (calcium chloride), it is 10% higher than conventional 77-80% calcium chloride flake.

This purified inorganic salt is produced by removing water from a naturally occurring brine solution. The National Organic Standards Board classified the brine process as "non-synthetic" since it does not involve reactions with chemicals such as hydrochloric acid or ammonia.

NaturaSeal® - Unique Properties for PMAE Catalyst

NS-SALT™ releases heat when it is dissolved. Make sure that the dissolving vessel is appropriately constructed for handling hot solutions. Fill the vessel with cool water (less than 26°C/78.8°F), then slowly add calcium chloride while continuously stirring. Solids kept in motion will dissolve quickly; however, solids that sit motionless on the vessel bottom may form a hard cake that will dissolve more slowly.

BENEFITS

Free of volatile organic compound

Eco-friendly and Solvent free

Non flammable, Non toxic

INSTALLATION



SPRAY APPLIED

APPLICATION

Acceleration of emulsion curing process

Liquid applied and air-cured for instant setting

HEALTH SAFETY AND ENVIRONMENT

The materials does not contain any substance likely to be detrimental to health or to the environmet and complies with generally accepted health and safety requirements. For further information please refer to relevant Material Safety Data Sheet in force.

INSTALLATION GUIDELINES

Mix for minimum 2-3 minutes prior to beginning application.

For further information please refer to the relevant Work Method Statement (WMS).

STORAGE AND USE

The material must be stored in shaded spaces, protected from exposure to direct sunlight, extreme heat and moisture. Material must be kept away from heat and flammable materials.

SHELF LIFE

Material will have a 24-month shelf life if stored in a dry and properly ventilated space, protected from the elements or any harmful substances. Material shall be adequately protected from environmental impacts to the properties or the performance of the membrane.



SUSTAINABILITY

NaturaSeal® products support sustainable and energy-efficient building practices, and achieving LEED® certification (LEED® for New Construction).



COMPONENTS

NS-SALT™ is used in combination with NaturaSeal Cold-Applied PMAE series of products.

COVERAGE

Catalyst Ratio (205L Drum)	Ratio (Kg / 205L Drum)	
	Cold Temp. (-5°F to 40°F)	Warm Temp. (41°F to 122°F)
SpraySeal NS-F300 RG	12kg / 205L Drum	7kg / 205L Drum
SpraySeal NS-F300 + GE	15kg / 205L Drum	10kg / 205L Drum
Air Barrier NS-A250 -HP	20kg / 205L Drum	20kg / 205L Drum
Air Barrier NS-A250-LP	14kg / 205L Drum	8kg / 205L Drum
SpraySeal NS-R200	15kg / 205L Drum	10kg / 205L Drum
NS-RadonShield & MineSeal C400	14kg / 205L Drum	8kg / 205L Drum

QUALITY MANAGEMENT

NaturaSeal is committed to creating unparalleled new technologies, minimizing the negative impacts on the environment and communities. Our manufacturing facilities are independently monitored and certified CE, ISO 9001, ISO 14001 and ISO 45001.

- Please refer to NaturaSeal for the most up-to-date Technical Data Sheet (TDS).
- NaturaSeal Material Safety Data Sheet (MSDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

NATURASEAL NORTH AMERICA

960 Edgeley Blvd. Unit #4,
Vaughan, ON L4K 4V4, Canada
www.naturaseal.com | info@naturaseal.com

NATURASEAL INTERNATIONAL

The Offices at IBN Battuta Gate 8th Floor Office 804B,
P.O. Box 214771, Jabel Ali First, Dubai U.A.E.
www.naturaseal.ae | contact.international@naturaseal.ae

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COMPLIANCE	ASTM D98 Type S, Grade 1, Class A, AASHTO M144
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PRODUCT INFORMATION

Making 100 Liters of Solution From DOWFLAKE Xtra

% CaCl ₂ Target	Specific Gravity (26°C / 78.8°F)	Density @ (25°C / 77°F) (kg / L)	Weight of Product to Dissolve (kg)	Water Volume (L)	Expected Temp. Rise (°C/F)	Solution Freeze Point (°C/F)
26	1.251	1.247	38	87	34°C / 93.2°F	-35°C / -31°F
28	1.275	1.271	42	86	37°C / 98.6°F	-43°C / -45.4°F
30	1.298	1.294	46	84	40°C / 104°F	-47°C / -52.6°F
32	1.322	1.318	50	82	43°C / 109.4°F	-27°C / -16.6°F
34	1.345	1.341	54	81	44°C / 111.2°F	-12°C / 10.4°F
36	1.369	1.365	58	79	49°C / 120.2°F	-1°C / 30.2°F
38	1.392	1.388	62	77	48°C / 118.4°F	9°C / 48.2°F
40	1.416	1.412	67	75	49°C / 120.2°F	16°C / 60.8°F
42	1.439	1.435	71	73	49°C / 120.2°F	21°C / 69.8°F

TECHNICAL INFORMATION

Performance (Cured Membrane)	ASTM Method	Typical Results
Calcium chloride assay		>83%
Flake size distribution Larger than 4.8 mm From 0.6 to 4.8 mm Smaller than 0.6 mm		<20% >75% <5%
Purity requirements ⁽¹⁾ Total alkali chlorides (as NaCl) Total magnesium (as MgCl ₂) Calcium hydroxide	D98	<6% <0.5% <0.2%

Information contained in this data sheet is up-to-date and correct as at the date of issue. All value represented are nominal and subject to 10% tolerance unless noted otherwise.
 (1) On an active ingredient basis.

We warranty that our products are in conformance with the standards of quality control established by NaturaSeal. As we cannot control or anticipate the conditions under which the products may be used, each user should review the information in specific context of the planned use. NaturaSeal makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to NaturaSeal Products.

To the maximum extent permitted by law, we will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. Please contact NaturaSeal for applicable warranty programs and general terms and conditions.

AFFILIATES



PIONEERING THE FUTURE TODAY

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