

## PRODUCT DATA SHEET

### Morton® Star Flake® Dendritic Salt



#### Description

Star Flake® Dendritic Salt is a high purity, food grade sodium chloride produced in vacuum pans from chemically purified brine to which a crystal modifying agent is added. The resultant crystals are porous, star-shaped modified cubes with unique physical properties:

- High specific surface area.
- Rapid dissolution rate and flowability.
- High liquid adsorptive capacity and caking resistance.
- Low apparent density.

The crystal modifying agent is Yellow Prussiate of Soda (sodium ferrocyanide) used for this purpose in accordance with 21CFR172.490. Yellow prussiate of soda is exempt from label declaration in foods incorporating this salt as an incidental, non-functional additive in accordance with 21CFR 101.100 (a) (3).

#### Chemical Properties

Sodium sulfate is the major impurity with traces of calcium carbonate and magnesium hydroxide. This product complies with Food Chemicals Codex tolerances and federal CGMP standards. It is annually certified as kosher.

	Range
<sup>1</sup> Sodium Chloride (%)	≥99.75
Sulfate (%)	≤0.17
Ca/Mg as Ca (ppm)	≤90
Moisture (Surface) (%)	≤0.1
Water Insolubles (ppm)	≤100
Copper (ppm)	≤0.5
Free Iron (ppm)	≤1.0
Arsenic (ppm)	≤1.0
Heavy Metals as Lead (ppm)	≤2.0
Sodium Ferrocyanide (ppm)	3 - 13

<sup>1</sup> By difference of impurities, before additives, moisture-free basis (ASTM procedures).

#### Nutrient Content (per 100g)

Carbohydrates (g)	0	Trans-Fatty Acids (g)	0
Dietary Fiber (g)	0	Ash (g)	>99.9
Protein (g)	0	Moisture (g)	<0.1
Fat (g)	0	Calories	0
Calcium (mg)	3	Magnesium (mg)	0
Chloride (mg)	60,600	Sodium (mg)	39,300

#### Product Ingredient Statement

Salt, yellow prussiate of soda

#### Physical Properties

Pour (loose) bulk density is 0.86-1.04 g/ml (54-65 lbs/ft<sup>3</sup>).

Meets USDA No. 1 (0.5 mg) coarse sediment standard for milk and milk products (7 CFR 58.2728 using a 250g sample, equivalent to 2 ppm or less).

#### Sieve Analysis

Retained on U.S.S. 40 Mesh (425 µm* opening)	≤5%
Passing through U.S.S. 100 Mesh (150 µm opening)	≤35%

\* 10,000 Microns (micrometers, µm) per centimeter;  
25,400 Microns per inch

#### Codes

	Commodity Code	UPC
50-lb bags	F113020000	0 24600 01302 4
80-lb bags	F113030000	0 24600 01303 1
Tote bags	F1158600xx	

#### Manufacturing Plants

Hutchinson, KS and Silver Springs, NY

Industrial  
SC: 296-2

## Storage/Coding

Star Flake® Dendritic Salt is chemically stable and will not support microbial growth. To reduce the incidence of caking, store in a cool, dry area, relatively free of drafts, where the humidity does not regularly cycle through 75%rh. Under these conditions, the shelf life is indefinite. An plant specific batch code is found on the package.

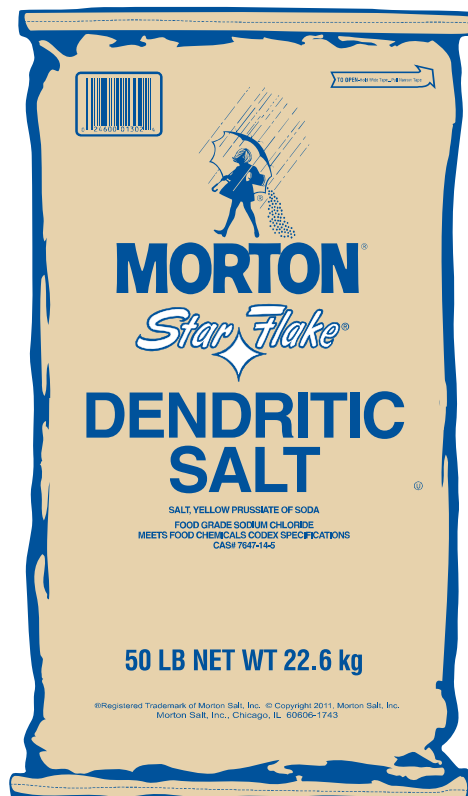
## Packaging

50 & 80 lb. multiwall, polyethylene-lined kraft paper bags.

Unit Dimensions					
Net Wt. (lb)	Gross Wt. (lb)	L x W x H (in)		Cube (ft <sup>3</sup> )	
50	50.5	23.25 x 14.75 x 4.5		0.89	
80	80.9	25 x 17 x 5.5		1.4	
Palletized*					
Bag	Tiers	Bags/ Tier	Bags/ Pallet	Gross Wt. (lb)	Cube (ft <sup>3</sup> )
50 lb.	7	7	49	2545	46
80 lb.	6	5	30	2497	49

\*Includes 48" x 40" standard wood pallet @ 70 lbs.

## Bag Art



*These data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determines the suitability of our material and suggestions before adopting them on a commercial scale.*