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Akzo Salt Inc.

Product data

Abington Executive Park • Clarks Summit, PA 18411

Alberger® Pretzel M Salt

St. Clair, MI production

PD 1000
03-91

Description

Alberger® Pretzel M Salt is a high purity, food grade, compacted, natural crystalline, coarse flake Sodium Chloride manufactured, under stringent process control procedures, by Akzo's exclusive ALBERGER® process. This salt is obtained from underground salt deposits by deep well solution mining. Brine from the wells is chemically treated to remove most Calcium and Magnesium impurities and, subsequently, evaporated under normal atmospheric conditions to produce a natural flake salt which contains no additives. Alberger® Pretzel M Salt is recommended for use as a topping for pretzels and bagels, in bath salts and crystals and as a carrier for fragrances and colors.

Approved Use

Alberger® Pretzel M Salt is generally recognized as safe (GRAS) for use in foods and meets Food Chemicals Codex assay standards for Sodium Chloride. It is also acceptable for direct use in meat products under USDA/MIS standards and is annually kosher certified as (U) P for Passover and the year round.

Availability

Alberger® Pretzel M Salt is available in 80# net weight, multiwall, polylined, kraft paper bags.

Storage

To retard caking, Alberger® Pretzel M Salt should be stored in a dry, covered area at relative humidities below 75%. Cycling salt through the 75% relative humidity zone will rapidly increase the onset of caking.

Technical Information

For further product information, contact the Director of Technical Service, Akzo Salt Inc., Abington Executive Park, Clarks Summit, PA 18411, by phone 717-587-9241 or FAX 717-586-7792.

Regional Sales Offices

For order, pricing, delivery or other service information, contact the Regional Sales Office nearest you:

CLARKS SUMMIT, PA	800-548-5618	FAX 717-587-5831
TOLEDO, OH (Ohio)	800-472-7020	FAX 419-882-8821
(Outside Ohio)	800-537-7043	
ATLANTA, GA	800-241-7066	FAX 404-457-8676
CHICAGO, IL (Illinois)	800-433-0919	FAX 708-297-6087
(Outside Illinois)	800-621-4293	
SALT LAKE CITY, UT	800-458-6214	FAX 801-269-0082
GROCERY PRODUCTS (US)	800-548-5615	FAX 800-544-9975
(Canada)	800-621-7622	
EXPORT	800-234-4506	FAX 203-767-7119
AKZO SALT INC.	717-587-5131	FAX 717-586-6278 TELEX 831-872

Properties

Chemical

Component ¹	Units	Typical / Range		
		Minimum ²	Typical	Maximum ²
Sodium Chloride ³	%	99.93	99.96	-
Surface Moisture	%	-	-	0.05
CaCl ₂ & MgCl ₂	%	-	0.01	0.04
CaSO ₄ & Na ₂ SO ₄	%	-	0.03	0.06
Calcium ⁴	%	-	0.013	-
Magnesium ⁴	%	-	0.001	-
Sulfate ⁴	%	-	0.021	-
Water Insolubles	ppm	-	-	20
Copper	ppm	-	-	0.4
Iron	ppm	-	-	1.5

Guaranteed Analysis

Heavy Metals (As Lead)	4 ppm (maximum)
Arsenic	1 ppm (maximum)

Physical

Sieve Analysis ¹				
USS Mesh	Opening Microns	Percent Retained		
		Minimum ²	Typical	Maximum ²
10	2000	0	0	1
20	850	-	99.5	-
pan	-	0	0.5	1

Other Physical and Functional

Parameter ¹	Units	Typical or Range		
		Minimum ²	Typical	Maximum ²
Bulk Density	g/cc	0.98	-	1.06
	lb/cu ft	61	-	66
Caking Resistance ⁵	months	-	3	-
Extraneous Matter ⁶ (7CFR 2858.2728)		-	< #1	USDA #1

(1) Analytical methods available on request. (2) Based on ± 2 standard deviations. (3) By difference of impurities, moisture free basis. (4) Water soluble. (5) From date of manufacture, at storage below 75% relative humidity. (6) Based on USDA milk filter pad test, adapted for 250 gm salt/Liter (with water).

V-1895

MATERIAL SAFETY DATA

SECTION I

MANUFACTURING NAME: Akzo Salt Inc.
ADDRESS: Abington Executive Park, Clarks Summit, PA 18411

EMERGENCY PHONE: 717-587-9241
DATE PREPARED: 01-21-91
BY: T. E. Dommmer, Director of Technical Service

CHEMICAL NAME: Sodium Chloride (salt, halite, solar salt, rock salt)
TRADE NAME: Alberger® Pretzel M Salt
CHEMICAL FAMILY: Inorganic Salt (alkali metal - halogen) FORMULA: NaCl

SECTION II - HAZARDOUS INGREDIENTS = NONE

CAS REGISTRATION & EPA TOXIC SUBSTANCES INVENTORY NUMBER = 7647-14-5

SECTION III - PHYSICAL DATA

BOILING POINT (°C) @760 mm = 1465
VAPOR PRESSURE (mm Hg) @746.9°C = 2.4
VAPOR DENSITY = NA

SPECIFIC GRAVITY (H₂O = 1) = 2.165
%VOLATILE (By Volume) = NA
EVAPORATION RATE = NA

SOLUBILITY IN WATER (g/100cc) = 35.7 @0°C, 36.0 @20°C
APPEARANCE & ODOR = Solid white or off-white crystalline material is odorless.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT = NONE
FLAMMABLE LIMITS = Not Flammable
SPECIAL/UNUSUAL FIRE FIGHTING PROCEDURES/HAZARDS = NONE/Not Combustible
NATIONAL FIRE PROTECTION ASSOCIATION CODE = 000

EXTINGUISHING MEDIA = NA
EXPLOSIVE LIMITS = Not Explosive

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUES = Rats: Oral LD₅₀ = 3.75 g/kg; MLD I.V. = 2.5 g/kg
EFFECTS OF OVERDOSE OR OVEREXPOSURE = No acute systemic, chronic systemic or chronic local toxicity. In sensitive persons some dermal or eye irritation effects, or after excessive ingestion, edema and/or temporary elevated blood pressure effects. Gavage ingestion of 15-50 g may induce vomiting resulting in partial vacating of stomach contents.

EMERGENCY & FIRST AID PROCEDURES = Skin and eyes: Flush with water; Ingestion: High fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE = N.A.

SECTION VI - REACTIVITY DATA

STABILITY = Stable

CONDITIONS TO AVOID = Concentrated acids such as sulfuric or nitric.

HAZARDOUS DECOMPOSITION PRODUCTS = Hydrochloric acid from above acid mixtures with salt.
HAZARDOUS POLYMERIZATION = NONE. Will not occur.

SECTION VII - SPILLS OR LEAKS PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK = Non-hazardous. DOT classification = Non-corrosive. Sweep up and flush with water.

WASTE DISPOSAL METHODS = Dry to land fill or dissolve in sufficient amounts of water to meet local existing water quality standards.

SECTION VIII - SPECIAL PROTECTION & PRECAUTIONS

VENTILATION = Local exhaust not necessary. Mechanical control dust collection may be used.

PERSONAL PROTECTIVE EQUIPMENT = Eye goggles and gloves optional and respirator unnecessary, but all may be used for comfort.

PRECAUTIONS (HANDLING/STORAGE) = Store under DRY (less than 75% R.H.) conditions to prevent CAKING of salt. Store on pallets under protective cover. Do not store cases/bags directly on damp or concrete floors. Avoid PRESSURE PACKING/CAKING of bags by stacking pallets no greater than 3 high.