Cargill Salt

Technical Information

Diamond Crystal® Solar Salt - Extra Coarse

DESCRIPTION:

Diamond Crystal® Solar Salt Extra Coarse is a coarse screened, white crystalline sodium chloride produced by the solar evaporation of seawater from the Pacific Ocean. The salt crystals are refined by washing with clean saturated brine to remove surface impurities, drained of excess moisture, dried, and screened to size.

COMPLIANCE:

Diamond Crystal® Solar Salt Extra Coarse is approved for direct use in regenerating water softener ion-exchange resins by both the Food & Drug Administration and the U.S. Department of Agriculture, and meets the AWWA Standard for Sodium Chloride B200. This product is not recommended for direct addition to food products; however, when dissolved and properly filtered, the brine thus produced is approved for use in meat and poultry products by the U.S. Department of Agriculture Food Safety & Inspection Service, and for other food uses.

ADDITIVES:

Diamond Crystal® Solar Salt Extra Coarse contains no anticaking or free-flowing additives or conditioners.

APPLICATIONS:

Diamond Crystal® Solar Salt Extra Coarse is primarily intended for use in regenerating water softener ion-exchange resin in both household and commercial water softeners, and can be used effectively in most water softening units. In filtered brine form, this product can be used for meat and poultry processing, quality grading sensitive vegetables, and curing olives and pickles. It has also found application in hide curing and snow and ice removal.

PACKAGING AND STORAGE:

Diamond Crystal® Solar Salt Extra Coarse is available in 40lb., 50lb. and 80lb. polyethylene bags for added moisture protection, and in bulk. To improve caking resistance, the product should be stored in a dry, covered area at humidity below 75%.

METHODS OF ANALYSIS:

Methods of analysis are taken from ASTM E 534-98, AWWA B200-98, Cargill and the Food Chemicals Codex 4th Edition.

OTHER PROPERTIES:

Diamond Crystal® Solar Salt Extra Coarse contains no known allergens, and exhibits virtually no microbiological activity.

CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry)[1]	%	99.70	99.60 min.
Calcium & Magnesium (as Ca)	%	0.07	-
Sulfate (as SO_4)	%	0.14	-
Surface Moisture[2]	%	0.15	0.2 max.
Water Insolubles	%	0.02	0.15 max.

[1]By difference of impurities.
[2]110ºC for 2 hours.

SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
5/8"	0.625	15875	23	30 max.
3/8"	0.375	9525	27	-
4	0.187	4760	34	-
8	0.0937	2380	15	-
Pan	-	-	1	10 max.

Note: Sieve analysis is reported as percent retained.

BULK DENSITY:

Parameter	Typical	Specification
Pounds per Cubic Foot	66	62 - 70
Grams per Liter	1055	995 - 1120

Note: Bulk Density is reported as loose (uncompacted).

PRODUCING LOCATION: BALTIMORE, MD

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