Technical Information

ClearLane® enhanced deicer

DESCRIPTION:

ClearLane® enhanced deicer is an enhanced deicing salt product containing a pre-wetting agent, coloring agent, and a corrosion inhibitor. It is a highly effective performer that protects exposed steel surfaces from damp salt corrosion and remains free-flowing at low temperatures. It adheres to the road surface more effectively than dry salt, minimizing loss of deicer from wind and traffic scatter, providing more efficient deicing.

COMPLIANCE:

ClearLane® enhanced deicer is not approved for human or animal consumption. It is intended for use only as a chemical deicer on roadways and thoroughfares.

ADDITIVES:

ClearLane® enhanced deicer contains a patent pending pre-wetting agent.

APPLICATION:

ClearLane® enhanced deicer can be applied at the same rate as regular highway deicing salt. Depending on the conditions present at the time of application, **ClearLane® enhanced deicer** may be applied at lower application rates than regular deicing salt.

HANDLING AND STORAGE:

ClearLane® enhanced deicer requires no additional handling, equipment or labor over and above that used for regular highway deicing salt. To improve caking resistance and reduce run-off, it is recommended that the product be stored in a covered storage shed or tarped. Normal precautionary measures for the safe handling of deicers should be observed.

PACKAGING:

ClearLane® enhanced deicer is available only in bulk form.

METHODS OF ANALYSIS:

Methods of analysis are taken from the ASTM designations D 632-99, E 534-98, and from Cargill Salt. pH is reported on a dilution of 1 part pre-wetting agent to 4 parts water.

CHEMICAL ANALYSIS OF TREATED SALT

Component	Units	Typical
Sodium Chloride Deicing Salt	%	95.9
Pre-wetting Agent	%	4.1

CHEMICAL ANALYSIS OF PRE-WETTING AGENT

Component	CAS	Units	Typical
Water	7732-18-5	%	67 - 70
Magnesium chloride	7786-30-3	%	26 - 29
Sodium gluconate	527-07-1	%	0.25 – 0.35
Xanthan Gum	11138-66-2	%	0.2 – 0.4
Colorant Blend		%	0.01 – 0.06
FDC Blue 1	3844-45-9		
Tartrazine	1934-21-0		
FD&C Red 40	25956-17-6		
Trans-2851	proprietary	ppm	0.4 – 0.8
pH			7.0 - 8.6

SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Specification
½"	0.500	12700	100
3/8"	0.375	9525	95 - 100
4	0.187	4760	20 - 90
8	0.0937	2380	10 - 60
30	0.0232	590	0 - 15

Note: Sieve analysis is reported as percent passing. The dry salt utilized in this product complies fully with ASTM specification D632-99, Type 1, Grade 1. Sieve analysis of the final product differs from the ASTM dry salt specification due to the effect of the liquid prewetting agent on the sieve.

PRODUCING LOCATIONS: VARIOUS LOCATIONS ACROSS THE U.S.

Material Number 100012763

No. 7714- Sept 2015 Rev 11

CARGILL DEICING TECHNOLOGY
24950 Country Club Blvd. Ste 450
North Olmsted, OH 44070
1-800-600-7258

NOTICE: All of the above statements, recommendations, suggestions and data are based on our laboratory results, and we believe same to be reliable. Nevertheless, with the exception of data showing an express guaranty (such as in the case of products specifically designed for use as nutrient supplements), all such statements, recommendations, suggestions and data hereinabove presented are made without guaranty, warranty or responsibility of any kind on our part.