



Technical Data Sheet (TDS)– Calcium Chloride (Malch)

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Amir Hossein Haratian

Research & Development Department

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Report Document

Report Topic					
Technical Data Sheet (TDS)– Calcium Chloride (Malch)					
Purpose of Report					
Awareness and clarification of the specifications and chemical analysis of soluble calcium chloride product					
Target Audience					
Organization stakeholders (including colleagues, customers, consumers, etc.)					
Other required details					
Revision number	Writing start date	Date of completion of writing	Prepared by	Approved by	Description
00	2025-01-23	2025-01-23	Amir Hossein Haratian	Amir Rafie	Initial writing
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					

Table of contents

General Product and Manufacturer Information	4
Field.....	4
Details.....	4
Technical Analysis of Calcium Chloride 35% Solution (Mulch).....	4

General Product and Manufacturer Information

Field	Details
Product Name	Calcium Chloride Solution (<i>Mulch</i>)
IUPAC Name	Calcium Chloride Solution
CAS Number	10043-52-4
Appearance	Aqueous Solution
Manufacturer	Asia Potash Industry
Country	Iran
Province	Semnan

Technical Analysis of Calcium Chloride 35% Solution (Mulch)

Characteristics of manufactured mulch			
Calcium Chloride (CaCl ₂)	30-35%	Calcium Hydroxide (Ca (OH) ₂)	<0.15%
Magnesium Chloride (MgCl ₂)	<0.5%	Fluoride (F ⁻)	<40 ppm
Insoluble Matter in Water	<0.2%	Mercury (Hg)	<1 ppm
Sulfate (SO ₄ ²⁻)	<0.05%	Lead (Pb)	<2 ppm
Potassium & Sodium (K, Na)	<0.5%	Arsenic (As)	<2 ppm
Iron (Fe)	<0.004%	Density	1.3-1.35 g/cm ³