

## KINGDOM OF SAUDI ARABIA Khair Inorganic Chemical Industries Company

Saudi Closed Joint Stock Company Paid up Capital SR 800 Million المملكة العربية السعودية شركة صناعات الخير للكيماويات غير العضوية ( إنوكيم ) شركة مساهمة سعودية مقفلة رأس مال ۲۰۰ مليون ريال سعودي مدفوع بالكامل

# TECHNICAL DATA SHEET | TDS

Product Name	Calcium Chloride Flakes 77%	HTS Code	282720000000
Chemical Name	Calcium Chloride Dihydrate (CaCl <sub>2</sub> •2H <sub>2</sub> O)	CAS-No.	10043-52-4

### I. PRODUCT DESCRIPTION

Calcium Chloride Flake is a purified inorganic salt produced by removing water from the Calcium Chloride Brine solution through evaporation. Usually used in the petroleum industry, such as for drilling as mud additive, additive to oil well completion fluids, Cementing finished oil wells, and Drying petroleum fractions. Used also for De-icing, Desiccant, Paper Manufacturing, etc.

#### II. CHEMICAL PROPERTIES

3.12.11.13.122.11.123			
ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Calcium Chloride (CaCl <sub>2</sub> )	%	77.0 Min.	ASTM E449-18
Magnesium Chloride (MgCl <sub>2</sub> )	%	0.42 Max.	ASTM E449-18
Alkali Chlorides as (NaCl)	%	6.80 Max.	ASTM E449-18
Calcium Hydroxide (Ca(OH) <sub>2</sub> )	%	0.20 Max.	ASTM E449-18
Sulphate, as (CaSO <sub>4</sub> )	%	0.05 Max.	IS 1314-1984-2000
Heavy metals as Pb	%	0.005 Max.	ICP- EPA 6010D
Water Insoluble	%	0.20 Max.	IS 1314-1984-2000
pH (10% V/V sol)		7.5 - 9.5	ASTM D1293-18
	/0		

## III. PHYSICAL PROPERTIES

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Appearance	Pass/Fail	Whi	te Free Flowing Flakes
Color Index	APHA	30 Max.	ASTM D1209 - 05(2019)
Particle Size (11 mm)	Wt.%	99 Max.	ASTM C136/C136M-19

## IV. PACKAGING

■ 1000 kg inner lining polypropylene (PP) Big Bag

💡 25, Suwaidi Tower 🖿 8833 King Saud Road 🔳 Al Rakah Al Shamaliyah Dist. 🗷 Dammam 34225-2050 🗷 Kingdom of Saudi Arabia 🗷 <u>www.inochem.sa</u>

DISCLAIMER: Specifications defined above are valid for the products kept in suitable conditions and not further processed. Check the Material Safety Data Sheet for detailed information, handling, and safety details. All information, statements, and data are believed to be accurate and reliable. However, no representative or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose, or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. InoChem is not engaged in providing technical, operational engineering, or safety information for a fee; therefore, any such provided herein has been furnished as an accommodation and without charge. All Information provided herein is intended for use by persons having requisite knowledge, skill, and experience in the chemical industry. InoChem shall not be responsible or liable for the use, application, or Implementation of the Information provided herein, and all such information is to be used at risk, and in the sole judgment and discretion, of such persons, their employees, visors, and agents.

Doc No.: INO-LAB-TDS-004 Version No.: 02 Issue Date: 01.08.2023 Page 1 of 1

COPIES ARE UNCONTROLLED