



SAFETY DATA SHEET

Calcium chloride solution

000000007208

Version 1.4

Revision Date 09/04/2015

Print Date 09/04/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Calcium chloride solution

MSDS Number : 000000007208

Product Use Description : Chemical-Technical application

Manufacturer or supplier : Meridian Chemicals LLC
10955 Lowell Avenue, Suite 600
Overland Park, KS 66210

For more information call : 800-522-8001
+1-973-455-6300
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-**
: **527-3887**
:
: (24 hours/day, 7 days/week)



SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form : liquid
 Color : colourless
 Odor : odourless

Classification of the substance or mixture

Classification of the substance or mixture : Eye irritation, Category 2A

GHS Label elements, including precautionary statements

Symbol(s) :



Signal word : Warning

Hazard statements : Causes serious eye irritation.

Precautionary statements : **Prevention:**
 Wash skin thoroughly after handling.
 Wear protective gloves/ eye protection/ face protection.



SECTION 7. HANDLING AND STORAGE

Handling

Handling : Wear personal protective equipment.
 Use only in well-ventilated areas.
 Do not swallow.
 Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep in a cool, well ventilated place away from metals.
 Keep away from heat and sources of ignition.
 Keep away from direct sunlight.
 Store away from incompatible substances.
 Protect from physical damage.

Further information on conditions : Keep container tightly closed in a dry and well-ventilated place. storage conditions

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.

Engineering measures : General room ventilation is adequate for storage and handling. Provide exhaust ventilation if mist is formed.

Eye protection : Safety goggles

Hand protection : Rubber gloves



Gloves must be inspected prior to use. Replace when worn.

Skin and body protection : Long sleeved clothing
 Rubber or plastic apron
 Rubber or plastic boots
 Protective suit

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
 Use NIOSH approved respiratory protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
 When using, do not eat, drink or smoke.
 Wash hands before breaks and at the end of workday.
 Remove and wash contaminated clothing before re-use.
 Provide adequate ventilation.
 Do not swallow.
 Avoid breathing vapours, mist or gas.
 Avoid contact with skin, eyes and clothing.

Exposure Guidelines

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid
 Color : colourless
 Odor : odourless
 pH : Note: neutral
 Melting point/freezing point : Note: Not applicable
 Boiling point/boiling range : 105 - 125 °C
 Flash point : Note: does not flash



Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor pressure	: Note: Not applicable
Density	: 1.19 - 1.34 g/cm ³ at 27 °C
Water solubility	: Note: completely miscible
Ignition temperature	: Note: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Incompatible materials to avoid	: Sodium Methyl Vinyl Ether Hydrogen gas can evolve from contact with zinc or other galvanized materials.
Hazardous decomposition : In case of fire hazardous decomposition products may be produced such as:	Gaseous hydrogen chloride (HCl). Calcium oxide



	<p>LC50: 10,650 mg/l Exposure time: 96 h Species: Lepomis macrochirus</p> <p>: static test LC50: 4,630 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow)</p>
Toxicity to daphnia and other aquatic invertebrates	<p>: static test EC50: 2,400 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202</p>
Toxicity to algae	<p>: Growth inhibition EC50: 2,900 mg/l Exposure time: 75 h Species: Selenastrum capricornutum (green algae) Method: OECD Test Guideline 201</p>
Further information on ecology	
SECTION 13. DISPOSAL CONSIDERATIONS	
Disposal methods	: Observe all Federal, State, and Local Environmental regulations.
SECTION 14. TRANSPORT INFORMATION	
DOT	Not dangerous goods
TDG	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods



SECTION 15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act : On the inventory, or in compliance with the inventory

Canada. Canadian : All components of this product are on the Canadian DSL. Environmental Protection Act (CEPA). Domestic Substances List (DSL)

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Toxic Chemical (TCCL) List : On the inventory, or in compliance with the inventory Control Law

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory

China. Inventory of Existing Substances : On the inventory, or in compliance with the inventory Chemical

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

National regulatory information

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with



known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Acute Health Hazard

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a



guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Previous Issue Date: 05/06/2013

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group