

**OFI TESTING EQUIPMENT, INC**  
**MATERIAL SAFETY DATA SHEET**

<b>SECTION I - PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>Chemical Name:</b>	SATURATED CALCIUM CHLORIDE SOLUTION
<b>Trade Name:</b>	SATURATED CALCIUM CHLORIDE SOLUTION(0.295 AW CALCIUM CHLORIDE SOLUTION)
<b>OFI Part No.</b>	153-59-4,281-00
<b>Chemical Family:</b>	Calcium Chloride Solution
<b>Formula:</b>	CaCl <sub>2</sub> : H <sub>2</sub> O
<b>Manufacturer:</b>	OFI Testing Equipment, Inc. 1006 West 34 <sup>th</sup> Street Houston, TX 77018 U.S.A. (713) 880-9885
<b>In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:</b>	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
<b>SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS</b>	
<b>CAS #:</b>	<b>CHEMICAL NAME</b>
10043-52-4	Calcium Chloride 30-60%
<b>SECTION III - HAZARD IDENTIFICATION</b>	
<b>Emergency Overview:</b>	Warning! Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed or inhaled.
<b>Inhalation:</b>	Effects are expected to be less severe than for exposure to higher concentrations where symptoms include irritation to the respiratory tract with coughing and shortness of breath.
<b>Ingestion:</b>	Effects are expected to be less severe to exposure to higher concentrations where symptoms include irritation to the gastrointestinal tract with nausea, vomiting and diarrhea.
<b>Skin:</b>	Effects are expected to be less severe than for exposure to higher concentrations where symptoms include irritation to the skin with redness, itching and pain.
<b>Eye Contact:</b>	Effects are expected to be less severe than exposure to higher concentrations where symptoms include eye irritation, redness and pain.
<b>Chronic Exposure:</b>	No information found.
<b>Aggravated by Exposure:</b>	No information found.
<b>SECTION IV - FIRST AID MEASURES</b>	
<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention for any breathing difficulty.
<b>Ingestion:</b>	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Skin:</b>	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
<b>Eyes:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.
<b>Note to Physician:</b>	Oral ingestion may cause serum acidosis.

<b>SECTION V - FIRE FIGHTING MEASURES</b>	
<b>Fire:</b>	Not considered to be a fire hazard.
<b>Explosion:</b>	Not considered to be an explosion hazard.
<b>Fire Extinguishing Media:</b>	Use any means suitable for extinguishing surrounding fire.
<b>Special Information:</b>	In the event of fire, wear full protective clothing and niosh-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer.
<b>SECTION VII - HANDLING AND STORAGE</b>	
	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect from direct sunlight and freezing. Maintain at room temperature. Material will crystallize at lower temperatures. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid). Observe all warnings and precautions listed for the product.
<b>SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION</b>	
<b>Ventilation System:</b>	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
<b>Airborne Exposure Limits:</b>	Not established.
<b>Personal Respirators: (NIOSH APPROVED)</b>	For conditions of use where exposure to the substance is apparent, consult an Industrial Hygienist. For emergencies, or instances where the exposure levels are not known, use a full-face piece positive-positive, air-supplied respirator. Warning: air purifying respirators do not protect workers in oxygen-deficient atmospheres.
<b>Skin Protection:</b>	Wear protective gloves and clean body-covering clothing.
<b>Eye Protection:</b>	Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.
<b>SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance / Odor:</b>	Clear Colorless Liquid / Odorless
<b>Solubility:</b>	Infinitely soluble
<b>Specific Gravity:</b>	approx. 1.39
<b>pH:</b>	5.2
<b>% Volatiles by Vol.:</b>	0
<b>Melting Point:</b>	30 ° F ( -0.9 °C)
<b>Boiling Point:</b>	212 ° F ( 100 °C)
<b>Vapor Density (Air=1):</b>	No Information Found
<b>Vapor Pressure (mmHg):</b>	No Information Found

<b>SECTION X - STABILITY AND REACTIVITY</b>											
<b>General Reactivity:</b>	Stable under ordinary conditions of use and storage.										
<b>Hazardous Decomposition:</b>	Emits toxic fumes of chlorine when heated to decomposition.										
<b>Incompatibilities:</b>	Strong bases, most common metals.										
<b>Hazardous Polymerization:</b>	Will not occur.										
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>											
<b>Carcinogenic References:</b>	NTP Carcinogen - Known: No, IARC Category- None										
<b>SECTION XII - ECOLOGICAL INFORMATION</b>											
<b>Environmental Fate:</b>	No Information Found.										
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>											
	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.										
<b>SECTION XIV - TRANSPORT INFORMATION</b>											
<b>Shipping Name:</b>											
<b>Hazard Class:</b>	NOT REGULATED										
<b>Identification No.:</b>	NOT REGULATED										
<b>SECTION XV - REGULATORY INFORMATION</b>											
<b>Chemical Inventory Status – Part 1:</b>	<table border="0"> <thead> <tr> <th>Ingredient</th> <th>TSCA</th> <th>EC</th> <th>Japan</th> <th>Australia</th> </tr> </thead> <tbody> <tr> <td>----- Calcium Chloride (10043-52-4)</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>	Ingredient	TSCA	EC	Japan	Australia	----- Calcium Chloride (10043-52-4)	Yes	Yes	Yes	Yes
Ingredient	TSCA	EC	Japan	Australia							
----- Calcium Chloride (10043-52-4)	Yes	Yes	Yes	Yes							
<b>Chemical Inventory Status – Part 2:</b>	<table border="0"> <thead> <tr> <th>Ingredient</th> <th>Korea</th> <th>DSL</th> <th>NDSL</th> <th>Phil.</th> </tr> </thead> <tbody> <tr> <td>----- Calcium Chloride (10043-52-4)</td> <td>Yes</td> <td>Yes</td> <td>No</td> <td>Yes</td> </tr> </tbody> </table>	Ingredient	Korea	DSL	NDSL	Phil.	----- Calcium Chloride (10043-52-4)	Yes	Yes	No	Yes
Ingredient	Korea	DSL	NDSL	Phil.							
----- Calcium Chloride (10043-52-4)	Yes	Yes	No	Yes							
<b>Federal, State &amp; International Regulations – Part 1:</b>	<table border="0"> <thead> <tr> <th>Ingredient</th> <th>-SARA 302- RQ</th> <th>TPQ</th> <th>-----SARA 313----- List</th> <th>Chemical Catg.</th> </tr> </thead> <tbody> <tr> <td>----- Calcium Chloride (10043-52-4)</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> </tr> </tbody> </table>	Ingredient	-SARA 302- RQ	TPQ	-----SARA 313----- List	Chemical Catg.	----- Calcium Chloride (10043-52-4)	No	No	No	No
Ingredient	-SARA 302- RQ	TPQ	-----SARA 313----- List	Chemical Catg.							
----- Calcium Chloride (10043-52-4)	No	No	No	No							
<b>Federal, State &amp; International Regulations – Part 2:</b>	<table border="0"> <thead> <tr> <th>Ingredient</th> <th>CERCLA</th> <th>-RCRA- 261.33</th> <th>-TSCA- 8(d)</th> </tr> </thead> <tbody> <tr> <td>----- Calcium Chloride (10043-52-4)</td> <td>No</td> <td>No</td> <td>No</td> </tr> </tbody> </table>	Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)	----- Calcium Chloride (10043-52-4)	No	No	No		
Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)								
----- Calcium Chloride (10043-52-4)	No	No	No								
<b>Chemical Weapons Convention:</b>	No										
<b>TSCA 12 (b):</b>	No										
<b>CDTA:</b>	No										
<b>SARA 311/312:</b>	Acute: Yes    Chronic: No    Fire: No    Pressure: No    Reactivity: No    (Pure / Solid)										
<b>Australian Hazchem Code:</b>	None allocated.										
<b>Poison Schedule:</b>	None allocated.										
<b>SECTION XVI - OTHER INFORMATION</b>											
<b>NFPA Rating:</b>	Health-1, Flammability-0, Reactivity-0										
<b>Disclaimer:</b>	The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).										