

**Safety Data Sheet**

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.

SECTION 1: IDENTIFICATION	
Product Name:	Quick Cal
EPA Registration #:	Exempt
Product ID/Unity #:	10000539, 10015033
Common Name:	Calcium chloride
Chemical Description:	Calcium chloride
Recommended Uses:	Fertilizer product – See product label for directions for use.
Restrictions for Use:	See product label for any potential restrictions on use.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b>  <b>Non-Emergency Business Inquiries: 1-855-494-6343</b> Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION			
<b>EMERGENCY OVERVIEW:</b> Clear to amber odorless liquid. May cause eye irritation including a burning sensation.			
<b>POTENTIAL HEALTH EFFECTS:</b>			
Eyes: May irritate or cause burning sensation.			
Skin: Contact may cause mild but temporary irritation.			
Inhalation: Inhalation of mist may cause irritation of the upper respiratory tract or nosebleeds.			
Ingestion: May irritate gastrointestinal tract and cause nausea and vomiting.			
Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure.			
Chronic Health Effects: None known			
Carcinogenicity	NTP: Not listed	IARC: Not listed	OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Eye Irritation Category 2B			
<b>SIGNAL WORD:</b> WARNING			
<b>HAZARD STATEMENTS:</b>			
Causes eye irritation.			
Percent of product with unknown toxicity: 0%			
<b>PRECAUTIONARY STATEMENTS:</b>			
Prevention:	Wash hands thoroughly after handling.		
Response:	If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.		
Storage:	See Section 7 for storage information.		
Disposal:	See Section 13 for disposal information.		

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Calcium chloride	32.0 – 40.0%	10043-52-4
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES	
<b>Suitable Extinguishing Media:</b> Water fog, dry chemical, foam, carbon dioxide (CO2)	
<b>Special Fire Fighting Procedures:</b> Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.	
<b>Hazardous Combustion Products:</b> Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.	
<b>Unusual Fire and Explosion Hazards:</b> If liquid dries from fire, thermal decomposition products may include toxic and corrosive fumes of chlorine and hydrogen chloride. Product may react with some metals (aluminum, zinc, tin, etc.) to release flammable hydrogen gas.	

SECTION 6: ACCIDENTAL RELEASE MEASURES	
<b>Personal Precautions:</b> Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.	
<b>Environmental Precautions:</b> Keep spilled product from entering sewers or waterways.	
<b>Methods for Containment:</b> Contain spilled product by diking area with sand or earth.	
<b>Methods for Clean-up:</b> Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.	
<b>Other Information:</b> None known	

SECTION 7: HANDLING AND STORAGE	
<b>Handling:</b> Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.	
<b>Storage:</b> Store in original container only and in a cool, well-ventilated, dry place at temperatures between 32°F and 95°F. Store in areas away from children, feed and food products. Do not store in aluminum or metal vessels.	
<b>Minimum Storage Temperature:</b> 32°F	
<b>Other Precautions:</b> Consult Federal, state and local laws and regulations pertaining to storage.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
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Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Nuisance particulate (liquefied mist)		10 mg/m <sup>3</sup> TWA	
<p><b>Respiratory Protection:</b> For most well-ventilated conditions, no respiratory protection should be needed. If used in areas where exposure limits are exceeded, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for use against general particulates.</p>			
<p><b>Engineering Controls:</b> <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.</p>			
<p><b>Protective Gloves:</b> Wear chemical resistant gloves to prevent exposure to skin.  <b>Eye Protection:</b> Wear chemical goggles or safety glasses and full face shield. Contact lenses are not protective eye devices. An emergency eyewash or water supply should be readily accessible to the work area.  <b>Other Protective Clothing or Equipment:</b> Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.</p>			
<p><b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.</p>			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Liquid	Specific Gravity (H <sub>2</sub> O=1):	1.366 (typical)
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	11.40 lbs/gallon (typical)
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Complete	Boiling Point/Range:	118°C (244°F)
Viscosity:	Not determined	pH:	3.8 – 9.0
Appearance and odor:	Clear to amber odorless liquid	Flash Point:	Not applicable

SECTION 10: STABILITY AND REACTIVITY	
<p><b>Reactivity:</b> Product may react with some metals (aluminum, zinc, tin, etc.) to release flammable hydrogen gas.</p>	
<p><b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling conditions.</p>	
<p><b>Possibility of Hazardous Reactions:</b> Will not occur.</p>	
<p><b>Conditions to Avoid:</b> Contact with incompatible materials and fire conditions.</p>	
<p><b>Incompatible Materials:</b> Strong oxidizing agents.</p>	
<p><b>Hazardous Decomposition Products:</b> If liquid dries from fire, thermal decomposition products may include toxic and corrosive fumes of chlorine and hydrogen chloride.</p>	

SECTION 11: TOXICOLOGICAL INFORMATION	
<b>ACUTE TOXICITY</b>	
Eye Effects:	Causes moderate but temporary eye irritation.
Skin Effects:	May cause mild skin irritation. Estimated LD50 >5,000 mg/kg
Acute Inhalation Effects:	Not determined
Acute Oral Effects:	Estimated LD50 = 2,222 mg/kg
Specific Target Organ Toxicity:	None known
<b>CHRONIC TOXICITY</b>	
Chronic Effects:	None known
Carcinogenicity:	None known
Mutagenicity:	None known
Teratogenicity:	None known
Reproductive Toxicity:	None known
<b>POTENTIAL HEALTH EFFECTS:</b>	
<p><b>Eyes:</b> May irritate or cause burning sensation.</p>	
<p><b>Skin:</b> Contact may cause mild but temporary irritation.</p>	
<p><b>Inhalation:</b> Inhalation of mist may cause irritation of the upper respiratory tract or nosebleeds.</p>	
<p><b>Ingestion:</b> May irritate gastrointestinal tract and cause nausea and vomiting.</p>	

**SECTION 12: ECOLOGICAL INFORMATION**

<b>ENVIRONMENTAL SUMMARY:</b> Not determined	
<b>ECOTOXICITY DATA:</b>	
Fish Acute and Prolonged Toxicity:	Not determined
Aquatic Invertebrate Acute Toxicity:	Not determined
Aquatic Plant Toxicity:	Not determined
Bird Acute and Prolonged Toxicity:	Not determined
Honeybee Toxicity:	Not determined
<b>ENVIRONMENTAL EFFECTS:</b>	
Soil Absorption/Mobility:	Not determined
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	Not determined

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Waste:</b> Dispose of in accordance with applicable Federal, state and local laws and regulations.
<b>Container:</b> Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.
<b>RCRA Characteristics:</b> It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

**SECTION 14: TRANSPORT INFORMATION**

<b>DOT:</b> <b>(Ground)</b>	This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.
<b>IMDG:</b> <b>(Sea)</b>	Not determined
<b>IATA:</b> <b>(Air)</b>	Not determined
<b>TDG:</b> <b>(Canada)</b>	Not determined

**SECTION 15: REGULATORY INFORMATION**

<b>TSCA Inventory:</b> All components are listed on the TSCA inventory.	
<b>SARA Title III Information:</b>	
Section 302 - <b>Extremely hazardous substances:</b> None listed	
Section 311/312 - <b>Hazard Categories:</b> Immediate (Acute)	
Section 313 - The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372: None listed	
<b>CERCLA</b> - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): None listed	
<b>California Proposition 65:</b> This product does not contain any chemicals known to the state of California to cause cancer and/or reproductive harm.	
<b>U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):</b>	
<b>Chemical Name</b>	<b>CAS #                      State(s)</b>
No components listed	
<b>Canadian Domestic Substances List:</b> Not determined	
<b>WHMIS Classification:</b> This product is not approved for use in Canada. WHMIS classification is not determined.	

**SECTION 16: OTHER**

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**Sections Revised:**