

Material Safety Data Sheet

1. Product Name Buxal Calcium 2000
Caltec Agri Marketing
Services

2. Composition/ Information on Ingredients

	CAS#
Calcium Nitrate	10124-37-5
Calcium Ammonium Nitrate	15245 - 12 -2
Magnesium Nitrate	10377-60-3
Iron EDTA	
Manganese EDTA	
Copper EDTA	54453-03-1
Zinc EDTA	15954-98-0
Boric Acid	

Ingredients carried in a non- toxic soluble suspending gel

3. Hazards Identification

Green Suspension, No odor

Can irritate eyes, skin. May cause mucous membrane irritation

OSHA Hazard Category = IRRITANT

CERCL Ratings (Scale 0-3)

Health = 1 Fire = 0 Reactivity = 0 Persistence = 0

Primary routes of entry Skin or eye contact is the most likely exposure. Ingestion is possible. Inhalation of fertiliser suspensions is unlikely unless unusual conditions of use result in aerosol production.

Target Organs

Skin, eyes

Eyes

Can cause irritation to eyes
Prolonged contact may cause irritation.

Skin

Inhalation

May cause irritation to mucous membranes.

Ingestion

Large dose of this suspension may cause nausea, vomiting and stomach pain.

SYMPTOMS OF OVER EXPOSURE

- Acute** Nausea, vertigo, vomiting abdominal pain, rapid heartbeat, coma, and convulsion may result from ingestion of large amounts of Nitrates.
- Chronic** Small repeated doses of nitrates may lead to weakness, depression, headache. Repeated and prolonged contact with irritants may cause conjunctivitis or dermatitis.

4. FIRST AID MEASURES

- Eyes** Flush eyes gently for 15 minutes with large amounts of clean water. Seek medical attention.
- Skin** Wash thoroughly with soap and water.
- Inhalation** Remove to fresh air and seek medical attention.
- Ingestion** Seek medical attention immediately. If immediate medical attention is not available give large amount of water and make person vomit. Do not force an unconscious person to drink or vomit.

5. FIRE FIGHTING MEASURES

Flashpoint Not flammable

Ammonia may be evolved at high temperatures.

Fertiliser suspensions will not burn. Fire can evaporate to dryness leaving crystals of the ingredients.

Fire Fighting Procedures Evacuate Area. Do not Confine Fire

Fire fighting procedures are based on the presence of Ammonium Nitrate. Carefully apply large volumes of low pressure water to cool affected containers. Fight fire from the greatest distance possible to protect from fumes, and possible explosion. Wear full protective clothing and self contained breathing apparatus. Apply water spray to knock down any ammonia vapors. Control run off waters

6. ACCIDENTAL Release Measures

BuXall Calcium is a plant food, but large spills could cause vegetation damage or illness in animals. Contamination of waterways may cause fishkills. Dike spill to prevent spread. Prevent movement of Nitrates to groundwater.

7. HANDLING and STORAGE

Hygiene Wash with soap and water before eating and drinking, and before leaving the worksite

Storage Store in coll. well ventilated area.
Spills Product will cause slippery surfaces if spilt
Maintenance Use care when welding on equipment that has contained the suspension. Thoroughly wash pipes and associated equipment before welding. leave all piping valves open.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits No exposure limits have been set
Ventilation None required under normal circumstances.
Eyes Chemical protective goggles should be worn
Skin Wear rubber/neoprene gloves when handling the suspension
Respiratory None required under normal conditions

9. PHYSICAL and CHEMICAL PROPERTIES

Boiling Point	226 230F
Freezing Point	14F
Vapor pressure	Not known
Vapor Density	Not known
Percent Volatile	Not Applicable
Solubility in Water	Complete
pH	5.5 - 6.5
Salt out Temperature	Not applicable
Specific Gravity	1.52 @ 64.4F
Appearance	Green suspension, No odor

10. STABILITY and REACTIVITY

Stability Stable
Hazardous Polymerization Not known to occur
Incompatibility Avoid mixing with oxidizable materials. Do not mix with combustible materials. Do not contact with alkalis
Hazardous Decomposition Products At high temperatures may release toxic fumes of ammonia, nitrous and other oxides.
Condition to Avoid. Avoid excessive heating under confinement.

11. TOXICOLOGICAL INFORMATION

Calcium Nitrate	No data found
Calcium Ammonium Nitrate	No data found
Magnesium Nitrate	No data found
Iron EDTA	No data found
Maganese EDTA	No data found
Copper EDTA	LD50 = 2090ug(Cu)/kg (intraperitoneal, mouse) toxic effects not yet reviewed
Zinc EDTA	LD50 = 85mg(Zn)kg (introperitoneal, mouse) toxic effects not yet reviewed
Boric Acid	No data found

Potential Carcinogen Data (IARC, NTP, OSHA)

None found for this suspension

12 DISPOSAL COSIDERATIONS

If uncontaminated, recover and reuse product. Cosult local, State, or federal regulatory agencies for acceptable disposal procedures if product is contaminated.

13. TRANSPORTATION INFORMATION

DOT Proper Shipping Name	Not Applicable
DOT Hazard Class	Not regulated bt DOT
Label/ Placard Required	None
UN/NA No.	Not listed

14. REGULATORY INFORMATION

Reportable Quantity(CERCLA)	None established
(SARA TitleIII)	Zinc compounds are on the Section 313 list

Notice. All information in this document is based on data provided by third party sources. The information is believed to be accurate as of the preparation date but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice