



Safety Data Sheet



1. IDENTIFICATION

Trade Name/Synonyms:	Agri-Cal by Agri-Gro, Super-Cal
Producer:	Agri-Gro Marketing, Inc.
Address:	HC 4 Box 333
City, State and Zip Code:	Doniphan MO 63935
Telephone:	573-996-7384
FAX:	573-996-4769
Recommended Uses:	Agricultural fertilizer
Restrictions on Use:	None

2. HAZARD IDENTIFICATION

Non-toxic and non-flammable. This product does not require labeling.

3. COMPOSITION OF PRODUCT

Ingredient Name	CAS-NO	Classification
Calcium Chloride	10043-52-4	IK

Legend: T+=Very Toxic, C=Corrosive, Xn =Harmful, Xi=Irritant, IK= No Classification Required, E= Explosive, O=Oxidizing, F+=Extremely Flammable, F=Very Flammable, Fo=Flammable, N=Dangerous to Environment, Mu=Genetoxic, Sens=Sensitizing, Care=Carcinogen, Repr=Causes Birth Defects

4. FIRST AID

GENERAL Non-hazardous material. If irritation or discomfort occurs, seek medical advice from a physician

EYE CONTACT Immediately flush eyes with plenty of water for 10 minutes or as long as necessary. Keep eyes wide open while flushing. Seek medical attention if irritation persists.

SKIN CONTACT Wash with mild soap and water. Seek medical attention if discomfort occurs.

INHALATION Vapors unlikely due to physical properties. Mists may cause irritation to upper respiratory tract.

INGESTION Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Consult a physician.

Most important symptoms/effects, acute and delayed

Most important Symptoms/effects Irritation

Indication of immediate medical attention and special treatment needed, if Necessary

Notes to Physician Treat symptomatically

5. FIRE FIGHTING MEASURES

FLASH POINT Not Applicable

FLAMMABLE LIMITS Not Applicable

SUITABLE EXTINGUISHING EQUIPMENT Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARDS Non-flammable. Non-explosive

6. ACCIDENTAL RELEASE MEASURES

SAFETY MEASUREMENTS TO PROTECT PERSONS Wear suitable protective clothing, gloves and eye protection.

PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP Wear suitable protective clothing, gloves and eye protection. Dike far ahead of spill; use dry sand to contain flow.

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

Incompatible Products Keep away from fertilizers containing phosphorous and high levels of sulfur. Do not mix with glyphosate.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Control Eyewash facilities and safety shower should be available.

Exposure Limits No data available

Respiration Protection none required during normal handling

Eye Protection Eye protection should be worn when handling if a potential for splashing or spraying exists. Use safety glasses with side shields or goggles.

Body and Skin Protection Wear appropriate protective non-leather protective gloves and boots. Wear appropriate protective, impervious clothing. Chemical protective gloves and boots such as PVC, Neoprene, or Heavy Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark Liquid
Color	Dark Brown
Odor	slight ammonia
Solubility	100% water soluble
Melting Point/Range	NA



Expl. Limit LEL-UEL. %-%	NA
Vapor Pressure	Not determined
Decomposition Temp.	Not determined
pH Value	6-7
Flash Point	NA
Molecular Weight	Not determined
Ignition Temp	Not determined
Flammability	Non flammable
Upper/Low Flammability Limits	Non flammable
Decomposition temp	NA
Rel. Vapor Density (air =1)	not determined
Air Reactive	Non-applicable
Percent volatile	NA
Bulk density	10.93 lbs/gal
Solubility in water	100%
Saturation Conc.	10%
Rel. density sat. air (air =1)	not determined
Boiling point/range	220°F
pH concentrate	6-7
Viscosity	Not determined
Smelling limits lo-hi	Not determined
Rel. evap. Velocity	Not determined
Water reactive	will dilute



10. STABILITY AND REACTIVITY

Reactivity This product is stable and does not decompose under normal use and storage.

Chemical Stability Stable under usual work conditions.

Conditions to Avoid None known

Hazardous Decomposition Products None known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation
Eye Contact	Irritating to eyes
Skin Contact	Slightly toxic by dermal absorption
Ingestion	Moderately toxic by ingestion

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Chloride	= 1000 mg/kg (Rat)	= 2630 mg/kg (Rat)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available

Mutagenic Effects No information available

Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

Reproductive Toxicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Aspiration Hazard No information available



Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral	9169 mg/kg: Acute toxicity estimate
LD50 dermal	24,662 mg/kg: Acute toxicity estimate
Inhalation dust/mist	7,980,000 mg/L; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

BREAKDOWN Biodegradable substance. Product presents a minimal environmental impact when used at label rates.

ECOTOXICITY Soil and Plant nutritional supplement, high concentrations may cause burn of plants.

The environmental impact of this product has not been fully investigated.

Persistence and Degradability No information available

Bioaccumulation No information available

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Not classified as hazardous waste. Product must be disposed of according to Federal, State, or local procedures.

14. TRANSPORT INFORMATION

GENERAL Non-hazardous materials according to transport regulations. No special precautions are necessary.

15. REGULATORY INFORMATION

International Inventories

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendment and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

Issued 10-29-2015. This revised SDS cancels and replaces any preceding release or MSDS. It refers solely to the product indicated and constitutes no guarantee of particular quality.

VENDOR NOTES

Every endeavor has been made to ensure that the information contained in this SDS leaflet is reliable, but we cannot accept liability for any loss, injury or damage, which may result from its use or misuse. Data given in this SDS is solely for the guidance in safe handling and use of the product by customers; they do not form part of any specification. If difficulties arise, we shall be glad to discuss them. Customers are encouraged to conduct their own tests following discussion with our technical department. The above information is based on experience, but it is always advisable for customers to satisfy themselves, by consultation with our technical department and small-scale testing if necessary, that product, which they have selected, is suitable for their purpose under their conditions of use.