



SAFETY DATA SHEET

ULTRASOL[®] MAG K B

Product No: 037/01-US

Section 1 : Identification of the Substance and of the Company

Product Name : Ultrasol[®] MagK B
Use of the Substance : Product for the agricultural Industry according to the corresponding technical data sheet.
Supplier : SQM Northamerica Corporation
Address : 3101 Towercreek Parkway, Suite 450
Atlanta, GA 30339
Telephone : (770) 916 9400
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E-mail : product_safety@sqm.com

Section 2 : Hazards Identification

Emergency Overview

The product is a mixture of natural mineral salts and it is considered non dangerous.

Potential Health Effects

Inhalation : Inhalation of dry dust may irritate the respiratory tract.
Ingestion : Ingestion of large amounts may cause diarrhoea and nausea.
Skin Contact : May cause irritation only on damaged skin.
Eye Contact : May cause irritation on sensitive individuals.

Section 3 : Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Formula	Percentage
Potassium Carnalite	-----	----	$KCl \times MgCl_2 \times 6H_2O$	35 – 45 %
Kainite	1318-72-5	----	$KCl \times MgSO_4 \times H_2O$	25 – 35 %
Sodium Chloride	7647-14-5	231-598-3	NaCl	20 – 25 %
Other inorganic salts (borates and sulfates)	N/A	N/A	N/A	1 – 8 %





Section 4 : First Aid Measures

General Information

According to available information, this is a low risk substance.

Specific Measures

Inhalation : Remove to fresh air.
Ingestion : Drink water. Get medical attention for any abdominal pain.
Skin Contact : Wash with water in case of irritation
Eye Contact : Flush eyes with plenty of water, lifting lower and upper eyelids occasionally. Get medical attention in case of irritation

Section 5 : Firefighting Measures

Fire : Non combustible.
Fire Extinguishing : Any means suitable for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water
Media

Section 6 : Accidental Release Measures

Personal Precautions : Avoid dust inhalation. Use personal protective equipment in this case (Section 8).
Environmental Precautions: Do not discharge into drains. Avoid surface and ground water contamination.
Methods for Cleaning Up/Taking Up : Pick up the product mechanically and store in a normal container for recovery or disposal.

Section 7 : Handling and Storage

Handling

Special Procedures : None.
Safe Handling Procedures : Minimize dust generation. Avoid contact with eyes and skin.
Special Advice : Non reactive substance upon normal handling.

Storage

Special Requirements : Keep the product in the original containers.
Storage Conditions : Keep containers closed in a well ventilated place. There are no restrictions regarding temperature





Section 8 : Exposure Controls / Personal Protection

Exposure Limits

Suggested according to US regulations : 15 mg/m³ (total dust) ; 5 mg/m³ (respirable fraction)

Exposure Controls

Local exhaust ventilation to keep low dust environment.

Personal Protective Equipment

- Respiratory : Dust mask if necessary, *i.e.* in case of dust emission or dusty environments.
Eyes : Safety goggles required if necessary.
Hands : Nitrile rubber gloves, if necessary.

Section 9 : Physical and Chemical Properties

- Physical Form : Solid, crystalline
Colour : White
Odour : Odourless
pH : 8 – 9 (1 g/L aqueous solution)
Melting Point : not determined
Boiling Point : not applicable
Flash Point : not applicable
Flammability : not flammable
Explosive Properties : not applicable
Thermal Decomposition : not determined but not expected to occur below 300 °C.
Specific Gravity : not determined
Water Solubility : ≈ 700 g/L (20 °C)
Partition Coefficient (log Pow) : not applicable

Section 10 : Stability and Reactivity

- Stability : Stable under normal storage and temperature conditions.
Conditions to avoid : Contact with strong acids may produce hydrogen chloride gas.
Hazardous
Decomposition Products : None





Section 11 : Toxicological Information

No toxicity data are available for the mixture. Individual components data are presented.

Acute Data

Compound	Accute oral toxicity (DL ₅₀ , rat)
KCl	2600 mg/Kg
NaCl	3000 Mg/Kg
Inhalation	: no data available

Short-term Effects

Inhalation may cause reversible irritation of the respiratory tract. Can cause skin and eye irritation when damaged skin.

Chronic Effects

None of the components has been listed as a carcinogenic agent.

Section 12 : Ecological Information

General

Do not discharge into drains and water or public depositories.

Environmental Fate

Dissociates into potassium,sodium, chloride and sulfate ions. All of them are ubiquitous in the environment Potassium may be absorbed by plants and also binds to clay particles in the soil.

Not acutely toxic to aquatic organisms.

Mobility

No data available

Section 13 : Disposal Considerations

- Residues : Contact your local permitted disposal site. Always contact a licensed waste disposal service to assure compliance with all regulations-
- Empty Packaging : Empty containers may be reused after appropriate cleansing. Packaging that can not be cleaned should be disposed in agreement with the regional waste disposal company.





Section 14 : Transport Information

Rail & Road (DOT) – Sea (IMDG Code) – Air (IATA)

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

Section 15 : Regulatory Information

US Classification

Indication of Danger	None
Risk statements	None
Safety Statements	Avoid contact with skin and eyes
SARA	None of the components listed
TSCA	Listed
California Prop.65	None of the components listed

Section 16 : Other Information

This MSDS complies with 29 CFR part 1910 subpart Z and ANSI Standard Z400.1-2004.

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