

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Aquatrols Corp of America
1273 Imperial Way
Paulsboro, NJ 08066
800-257-7797

PRODUCT NAME: CalSea Xtra
CHEMICAL NAME: Calcium nitrate and Magnesium nitrate fertilizer solution
CHEMICAL FAMILY: Aqueous, organic salt solution

Details of the supplier of the safety data sheet

Company: Aquatrols Europe Ltd
The Panorama, Office G47
Park Street
Ashford
Kent TN23 3DL

Website: eu.aquatrols.com

Phone number: + 44 (0)1233 756 241

Email: jyichye@aquatrols.com

2. HAZARDS IDENTIFICATION SUMMARY

Hazard Classification: Skin irritant, Category 2
Eye irritant, Category 2A

Signal Word: "WARNING"

Hazard Statements:

- H315-Causes skin irritation
- H320-Causes eye irritation
- H335-May cause respiratory irritation
- H333-May be harmful if inhaled
- H303-May be harmful if swallowed

Precautionary Statements:

- (PREVENTION)
- P260-Do not breathe mist/vapors/spray
- P264-Wash thoroughly after handling
- P270-Do not eat, drink or smoke when using this product
- P271-Use only outdoors in a well-ventilated area
- P273-Avoid release to the environment



P280-Wear protective gloves / eye protection / face protection
(RESPONSE)
P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell
P330-Rinse mouth
P302+P352-IF ON SKIN wash with plenty of soap and water
P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing
P337+P313-If eye irritation persists, get medical advice / attention
P362+P364-Take off contaminated clothing
Precautionary Statements, Storage:
P403+P233-Store in a well-ventilated place. Keep container tightly closed.
P501-Dispose of container in accordance with local regulations

3. COMPOSITION, INFORMATION ON INGREDIENTS

N-P-K (NITROGEN-PHOSPHORUS-POTASSIUM) MIXED LIQUID BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture.

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>
Water	34.3%	7732-18-5
Kelp Extract	5%	92128-82-0
Calcium Nitrate	36.8%	13477-34-4
Magnesium Nitrate	23.8%	13446-18-9

4. FIRST AID MEASURES

If in eyes: Immediately rinse with water for 5 minutes
If on skin: Wash skin with soap and water
If swallowed: Rinse mouth with water and drink large a quantity of water
If inhaled: Remove product or move person to fresh air

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not flammable
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, or water
HAZARDOUS COMBUSTION PRODUCTS: Heating to dryness may cause the release of ammonia and carbon dioxide. Ammonia may form flammable mixtures with air.
SPECIAL FIRE FIGHTING PROCEDURES: Remove container from fire area

6. ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

7. HANDLING AND STORAGE

HANDLING: Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.

STORAGE: Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. Avoid storage at temperatures of 110F or higher. Corrosive to steel, aluminum, brass. Use with stainless steel or PVC fittings. Product may stain unfinished wood, painted surfaces, or concrete.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.

RESPIRATORY PROTECTION: Not normally required.

PERSONAL PROTECTIVE EQUIPMENT: Chemical goggles or shielded safety glasses and rubber or neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid with ammonia smell

SOLUBILITY: Completely

pH: 2.0 – 2.5

BULK DENSITY: 11.07 pounds /

gallon

SPECIFIC GRAVITY (Water = 1): 1.327

BOILING POINT: > 100° C

VAPOR PRESSURE: Unknown

EVAPORATION RATE: of water

PERCENT VOLATILE (by volume): Unknown

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable for at least 2 years under normal conditions.

INCOMPATIBILITY: Strong oxidizing agents, alkalis, acidic material

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION**Acute Oral LD₅₀(rat):** not established**Acute Dermal LD₅₀(rabbit):** not established**Eye Irritation (rabbit):** not established**Skin Irritation (rabbit):** not established**Inhalation LC₅₀(rat):** not established**Skin Sensitization (guinea pig):** not established

established

Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH**12. ECOLOGICAL INFORMATION****Ecotoxicology:** Due to the non-toxic classification of this product no negative impact on wildlife is expected.**Biodegradation:** Oxidation and microorganisms.**13. DISPOSAL CONSIDERATIONS****Waste disposal:** Contaminated absorbents and surplus product should be buried in accordance with any local legislation.**Container disposal:** Wash thoroughly with water and soap prior to reuse.**14. TRANSPORT INFORMATION****Land Transport:** PRODUCT IS NOT REGULATED DURING TRANSPORT**Air Transport (ICAO/IATA):** PRODUCT IS NOT REGULATED DURING TRANSPORT**Marine Transport:** PRODUCT IS NOT REGULATED DURING TRANSPORT**DOT Shipping Description:** NOT REGULATED BY USDOT.**U.S. Surface Freight Classification:** FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6)**15. REGULATORY INFORMATION**

NFPA & HMIS Hazard Ratings:		NFPA	HMIS	
	1 Health		0 Least	1 Health
	0 Flammability	1 Slight		0 Flammability
	0 Instability	2 Moderate		0 Reactivity
		3 High		H PPE
		4 Severe		

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of
Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

16. OTHER

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