

SAFETY DATA SHEET

Section 1 - Identification of the substance/mixture and of the supplier

Trade Name: Kelpene Ca

Product Code: KelpeneCa

Chemical Name: Mixture - 0-0-0.5 with 4% Ca, 0.02% B, 0.1% Fe, 0.05% Mn, 0.05% Zn and 3.5% Plant Extracts

Application/Uses: Recommended for use as a fertilizer on commercial food crops.

Restrictions: None

Distributor Information: PERFORMANCE NUTRITION - A Division of LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730
Phone: (732) 888 8000 • Fax: (732) 264 2751 • email: info@lidochem.com

Emergency Phone Number: CHEMTREC - Day or Night - at 800 424 9300

Section 2 - Hazard Identification

Classification of the substance or mixture (GHS-US)

Eye irritation 2A
Skin Irritation 2

Physical Hazards

None

Hazard Statements

H305: May be harmful if swallowed and enters airways

H315: Causes skin irritation

H319: Causes serious eye irritation

Precautionary Statements:

Precautionary Statements - Prevention, Response, Storage, Disposal

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

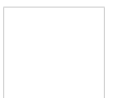
P332+313: If skin irritation occurs: Get medical advice/attention

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician
P331: Do NOT induce vomiting

P501: Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national regulations.

GHS Label elements

Hazard Pictograms



Signal Word

Warning

HNOC - Hazards Not Otherwise Classified

None

Section 3 - Composition/Information on Ingredients

Chemical Identity: 0.5% K₂O, 4% Ca, 0.02% B, 0.1% Fe, 0.05% Mn, 0.05% Zn, 3.5% Plant Extracts

CAS#:	Common Name/Synonyms:	% by Wt.
10043-52-4	Calcium chloride	12-16%
94266-47-4	Citrus, ext.	<2%

Section 4 - First Aid Measures

Description of first aid measures

General Advice:

Wash affected area

If Inhaled:

Remove person from contaminated area to fresh air. If not breathing, give artificial respiration. Seek medical attention if irritation or dizziness occurs.

In Case Of Skin Contact:

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.

In Case Of Eye Contact:

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.

If Swallowed:

Seek medical attention or call a poison control center immediately. 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.

Most important symptoms and effects, both acute and delayed:

No additional information available

Indication of any immediate medical attention and special treatment needed:

No additional information available

Section 5 - Fire-fighting Measures

Extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO₂, foam.

Unsuitable extinguishing agents: Water

Specific Hazards arising from the substance or mixture:

None known

Advice for firefighters:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures:

As outlined in section 8, wear appropriate respiratory protection. Avoid breathing fume, vapours, spray, mist or gas. Use personal protective clothing. Ensure adequate ventilation. Evacuate personnel to safe areas. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:

Prevent further leakage or spillage. Do not allow to enter sewers/surface or ground water.

Methods and materials for containment and cleaning up:

Spills should be contained by diking area with sand or soil. 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 appropriate disposal container.

Section 7- Handling and Storage

Precautions for safe handling:

Observe good industrial hygiene practices. Provide adequate ventilation. Protect packages against physical damage. Reseal containers immediately after use. Immediately remove and dispose of any spilled material.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well ventilated area.

Section 8 - Exposure Control / Personal Protection

Control parameters:

Chemical Identity:	CAS #:	ACGIH Threshold Limit Values		OSHA PEL		NIOSH REL	
		TWA	STEL	TWA	STEL	TWA	STEL
Calcium chloride	10043-52-4	NDA	NDA	NDA	NDA	NDA	NDA
Citrus, ext.	94266-47-4	NDA	NDA	NDA	NDA	NDA	NDA

Appropriate engineering controls:

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Provide sufficient ventilation to maintain airborne concentrations below the recommended exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Individual protection measures, such as personal protective equipment:

Eye protection:

Tightly fitting safety goggles or face shield if a splashing hazard exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH. Avoid contact with eyes.

Skin protection:

Avoid contact with the skin.
Wear chemical resistant protective gloves. Wash and dry hands.
Immediately remove all soiled and contaminated clothing and wash before reuse.

Section 8 - Exposure Control / Personal Protection (cont.)

Body protection:

Body protection must be chosen depending on activity and possible exposure, i.e. apron, chemical resistant footwear plus socks, long sleeved shirt, long pants, chemical protection suit.

Respiratory protection:

Respiratory protection is not typically required if airborne concentrations are maintained below the established exposure limits. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. Observe OSHA regulations for respirator use (29 CFR 1910.134)

General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Employees should wash their hands and face before eating, drinking or using tobacco products.

Section 9 - Physical and Chemical Properties

Appearance (physical state, color, etc):	Tan liquid
Odor:	Characteristic
Odor threshold:	None
pH:	6.0 - 6.5
Melting point:	No data available
Freezing point:	No data available
Initial boiling point:	>200°F (>93°C)
Boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Specific gravity:	1.1 g/ml (9.1 lb./gal)
Bulk Density:	Not Applicable

Section 10 - Stability and Reactivity

Reactivity:

No data available.

Chemical stability:

Stable under the prescribed storage conditions.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid (i.e. static discharge, shock or vibration):

None known.

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

None known.

Section 11- Toxicological Information

Likely routes of exposure:

Eye and skin contact

Symptoms related to physical, chemical and toxicological characteristics and delayed and immediate effects and chronic effects from short and long term exposure:

Acute Toxicity:

Ingredients have shown low dermal, oral and inhalation toxicity.

Skin corrosion/irritation:

Immediate contact may cause irritation.

Serious eye damage/eye irritation:

May cause eye irritation, including redness and inflammation.

Respiratory or skin sensitization:

No data available.

Carcinogenicity:

No data available.

Section 11- Toxicological Information (cont.)

Germ cell mutagenicity:

No data available.

Reproductive toxicity:

No data available.

Specific target organ toxicity - single or repeated exposure:

No data available.

Aspiration hazard:

No data available.

Symptoms after inhalation:

No data available.

Symptoms after skin contact:

No data available.

Symptoms after eye contact:

May cause eye irritation including redness and inflammation.

Symptoms after ingestion:

No data available.

Section 12- Ecological Information

Ecotoxicity (aquatic and terrestrial, where available):

Toxicity to fish (acute and chronic):

No data available for mixture.

Calcium chloride - Static test LC50 - *Pimephales promelas* (fathead minnow) - 4,630 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates (acute and chronic):

No data available for mixture.

Calcium chloride - Static test EC50 - *Daphnia magna* (water flea) - 2,400 mg/l - 48 h

Toxicity to algae:

No data available for mixture.

Calcium chloride - EC50 - *Pseudokirchneriella subcapitata* - 2,900 mg/l - 72 h

Section 12- Ecological Information (cont.)

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in the soil:

No data available.

Other adverse effects:

No data available.

Section 13 - Disposal Considerations

Waste treatment methods - product:

Dispose in accordance with all local, state and federal regulations. In unused condition, this product is not considered to be a RCRA defined hazardous waste by character/listings. It is the responsibility of the waster generator to evaluate whether this wastes are hazardous by characteristic/listing.

Waste treatment methods - container:

Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

Section 14 - Transport Information - US DOT, IATA, IMO, ADR:

Proper Shipping Name:	Fertilizing Compound, NOI, Liquid - Kelpene Ca	UN #:	
D. O. T. Hazard Class:	Not Regulated by D.O.T.	RQ:	
Label Requirement:	None	CAS:	Mixture
Placard:	None	ERG Book Information:	Guide # 171
Packing Group:	N/Ap	Marine Pollutant:	
Environment Hazard:		IATA:	
Special Precautions:			

Section 15 - Regulatory Information

U.S. Federal - OSHA Status:

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

TSCA Status:

Listed/Reportable

SARA Title III Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

Section 15 - Regulatory Information (cont.)

SARA Title III Sections 311/312:

Immediate (acute) health hazard

SARA Section 313 Toxic Chemicals:

None of the ingredients are subject to reporting requirements.

CAS# Chemical Name:

SARA Superfund Section 110:

This product does not contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

Other Federal Reporting Requirements:

CAA: This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.
CWA: No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.
RCRA: Not a hazardous waste under RCRA.

State Reporting Requirements:

State Right to Know Laws:

CAS#	State RTK	Chemical Name
10043-52-4	PA, NJ	Calcium chloride

CALIFORNIA PROPOSITION 65:

To the best of our knowledge, this product does NOT contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Michigan Critical Materials:

This product does not contain ingredients listed on the Michigan Critical Materials Register.

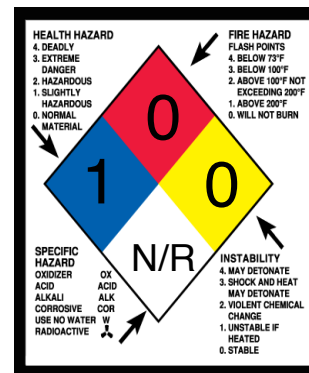
Global Lists/International Inventories:

Canada CEPA: All components are listed on the Canadian DSL

Canada WHMIS: None known

Section 16 - Other Information

Note Section 3: Any concentration shown as a range is to protect confidentiality or is due to batch variation.



Date of last revision:
9/3/2020

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Safety Data Sheet available to your employees.

Key Legend Information:

- | | | | |
|-----------------|--|---------|--|
| N/Ap: | Not Applicable | ND: | Not Determined |
| N/R: | Not Rated | NDA: | No Data Available |
| ACGI: | American Conference of Gov'n'tal Industrial Hygienists | TLV: | Threshold Limit Value |
| OSHA: | Occupational Safety and Health Administration | TWA: | Time Weighted Average |
| PEL: | Permissible Exposure Limit | NTP: | National Toxicology Program |
| STEL: | Short Term Exposure Limit | TSCA: | Toxic Substance Control Act |
| IARC: | International Agency for Research on Cancer | CERCLA: | Comprehensive Response, Compensation and |
| SARA Title III: | Superfund Amendments and Reauthorization Act | CWA: | Clean Water Act |
| Liability Act | | IMO: | International Maritime Organization Shipping Info. |
| CAA: | Clean Air Act | WHMIS: | Workplace Hazardous Materials Information System |
| RCRA: | Resource Conservation Recovery Act | | |
| IATA: | International Air Transport Association Shipping Info. | | |
| DSL: | Domestic Substance List (Canada) | | |

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