



SAFETY DATA SHEET

1. Identification

Material name: EUCON X15 - BULK GALLONS

Material: 710 99

Recommended use and restriction on use

Recommended use: Additive

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD

CLEVELAND OH 44110

US

Contact person:

EH&S Department

Telephone:

216-531-9222

Emergency telephone number:

1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Oral)

Category 4

Unknown toxicity - Health

Acute toxicity, oral 25.61 %

Acute toxicity, dermal 25.64 %

Acute toxicity, inhalation, vapor 48.4 %

Acute toxicity, inhalation, dust
or mist 48.4 %

Label Elements

Hazard Symbol:



Signal Word:

Warning

Hazard Statement:

Harmful if swallowed.

**Precautionary Statements**

- Prevention:** Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
- Response:** IF SWALLOWED: Call a POISON CENTRE/doctor/... if you feel unwell. Rinse mouth.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients**Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Calcium nitrate	10124-37-5	10 - <25%
Sodium thiocyanate	540-72-7	1 - <5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures**Description of necessary first-aid measures**

- Inhalation:** Move to fresh air.
- Skin Contact:** Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
- Eye contact:** Rinse immediately with plenty of water.
- Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- Personal Protection for First-aid Responders:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Most important symptoms/effects, acute and delayed

- Symptoms:** May cause skin and eye irritation.
- Hazards:** No data available.

Indication of immediate medical attention and special treatment needed

- Treatment:** Symptoms may be delayed.

5. Fire-fighting measures



General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Accidental release measures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Safe handling advice: Do not taste or swallow. Wash hands thoroughly after handling. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Contact avoidance measures: No data available.

Hygiene measures: Do not eat, drink or smoke when using the product. Wash hands after handling.

**Storage**

Safe storage conditions:	Store away from incompatible materials. Store in original tightly closed container.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection**Control Parameters****Occupational Exposure Limits**

None of the components have assigned exposure limits.
None of the components have assigned exposure limits.

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection	
Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash hands after handling.

9. Physical and chemical properties**Appearance**

Physical state:	liquid
Form:	liquid
Color:	Brown
Odor:	Mild
Odor threshold:	No data available.
pH:	3.0 - 6.0
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive limits	



Flammability limit - upper (%) :	No data available.
Flammability limit - lower (%) :	No data available.
Explosive limit - upper :	No data available.
Explosive limit - lower :	No data available.
Vapor pressure :	No data available.
Vapor density :	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density :	+/- 0.020 1.27
Solubility(ies)	
Solubility in water :	Soluble
Solubility (other) :	No data available.
Partition coefficient (n-octanol/water) :	No data available.
Auto-ignition temperature :	No data available.
Decomposition temperature :	No data available.
Viscosity :	No data available.

10. Stability and reactivity

Reactivity :	No data available.
Chemical Stability :	Material is stable under normal conditions.
Possibility of hazardous reactions :	No data available.
Conditions to avoid :	Avoid heat or contamination.
Incompatible Materials :	Strong acids. Strong bases.
Hazardous Decomposition Products :	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Inhalation :	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact :	Moderately irritating to skin with prolonged exposure.
Eye contact :	Eye contact is possible and should be avoided.
Ingestion :	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation :	No data available.
Skin Contact :	No data available.
Eye contact :	No data available.



Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 1,012.29 mg/kg

Dermal

Product: ATEmix: 6,590.63 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Calcium nitrate in vivo (Rabbit): Not irritant

Sodium thiocyanate In vitro Not irritant

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Calcium nitrate Rabbit, 24 - 72 hrs: Category 1

Sodium thiocyanate Not severe irritant or corrosive

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogenic components identified

Germ Cell Mutagenicity**In vitro**
Product: No data available.**In vivo**
Product: No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**

Calcium nitrate LC 50 (Oncorhynchus mykiss, 96 h): > 100 mg/l

Sodium thiocyanate LC 50 (Oncorhynchus mykiss, 96 h): 65 mg/l

Aquatic Invertebrates**Product:** No data available.**Specified substance(s):**

Calcium nitrate EC 50 (Daphnia magna, 48 h): 490 mg/l

Chronic hazards to the aquatic environment:

**Fish****Product:** No data available.**Specified substance(s):**

Sodium thiocyanate NOAEL (Cyprinus carpio, 7 d): 20 mg/l Experimental result, Supporting study

Aquatic Invertebrates**Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Mobility in soil:** No data available.**Other adverse effects:** No data available.**13. Disposal considerations****Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.**Contaminated Packaging:** No data available.**14. Transport information****TDG:**

Not Regulated



CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Sodium hydroxide	1000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards
Acute toxicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Sodium hydroxide	1000 lbs.
[1,1'-Biphenyl]-2-ol, sodium salt (1:1)	

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Calcium nitrate	10000 lbs
Sodium thiocyanate	10000 lbs

SARA 313 (TRI Reporting)

<u>Chemical Identity</u>
Calcium nitrate

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

US State Regulations**US. California Proposition 65**For more information go to www.P65Warnings.ca.gov.**US. New Jersey Worker and Community Right-to-Know Act****Chemical Identity**

Calcium nitrate

US. Massachusetts RTK - Substance List**Chemical Identity**

[1,1'-Biphenyl]-2-ol, sodium salt (1:1)

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations**Montreal protocol**

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:Regulatory VOC (less water and
exempt solvent) : 0 g/l

VOC Method 310 : 0.00 %

**Inventory Status:**

Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16. Other information, including date of preparation or last revision

Revision Date:	06/23/2020
Version #:	2.2
Further Information:	No data available.



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.