

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form: Mixture

Product identifier: FBX#472

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Use of the substance/mixture: Pretreatment agent

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Name: Eastern Tech, LLC

Address: 220 Edison Road, Orange CT 06477

Telephone: +1 203-877-5386

1.4 Emergency telephone number:

24 Hour Emergency Involving a Spill, Leak, Fire, Exposure or Accident: 908-859-2151

Chemtrec: 800-424-9300

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302

Skin Sens. 1 H317

Eye Irrit. 2 H319

Revision date: 02/23/2021

Version number: 3.1

Full text of hazard classes and H-statements: see section 16

2.2 Label elements

Labeling according to Regulation



(EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

	GHS07
Signal word (CLP):	Warning
Hazardous ingredients:	Calcium nitrate; Calcium chloride
Hazard statements (CLP):	H302 – Harmful if swallowed H317 – May cause an allergic skin reaction H319 – Causes serious eye irritation
Precautionary statements (CLP):	P261 – Avoid breathing dust/fume/gas/mist/vapors/spray P280 – Wear protective gloves/protective clothing/eye protection/face protection P301 + P312 – If Swallowed: Call a Poison Center or doctor/physician if you feel unwell P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention P337 + P313 – If eye irritation persists: Get medical advice/attention

2.3 Other hazards

This mixture does not meet the PBT criteria of REACH, annex XIII

This mixture does not meet the vPvB criteria of REACH, annex XIII

3. Composition/Information on Ingredients

3.2 Mixture

<u>Chemical Name</u>	<u>Product Identifier</u>	<u>%</u>	<u>Regulation (EC) No. 1272/2008 (CLP) Classification</u>
Calcium nitrate	CAS # 10124-37-5	5 – 15	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Calcium chloride	CAS # 10043-52-4	5 – 15	Eye Irrit. 2, H319

Full text of R- and H- phrases: see section 16

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4. First-aid measures

4.1 Description of first aid measures

First-aid measures general:	If symptoms persist, obtain medical attention
First-aid measures after inhalation:	Remove victim to fresh air and keep at rest in a comfortable position for breathing. If symptoms persist, obtain medical attention.
First-aid measures after skin contact:	Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water. If skin irritation or rash occurs: Get medical advice/attention
First-aid measures after eye contact:	If substance has gotten into eyes, immediately flush with plenty of water for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after ingestion:	Do not induce vomiting. Wash out mouth with water and give a healthy quantity of water to drink. Get medical advice/attention if feeling unwell.

4.2 Most important symptoms and effect, both acute and delayed

Symptoms/injuries after inhalation:	May be harmful if inhaled.
Symptoms/injuries after skin contact:	May cause an allergic skin reaction.
Symptoms/injuries after eye contact:	Causes serious eye damage.
Symptoms/injuries after ingestion:	May be harmful if swallowed

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:	Extinguish preferably with dry chemical, carbon dioxide, water mist, or foam.
Unsuitable extinguishing media:	None.

5.2 Special hazards arising from the substance or mixture

Fire hazard:	Not flammable
Hazardous decomposition products in case of fire:	Fire may produce irritating, corrosive, and/or toxic gases including carbon monoxide, carbon dioxide, and nitrogen oxides.

5.3 Advice for firefighters

Protection during firefighting: Self-contained breathing apparatus and suitable protecting clothing should be worn in fire conditions.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

General measures: Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors.

6.1.1 For non-emergency personnel

Protective equipment: Wear personal protective equipment.

Emergency procedures: Ensure adequate ventilation. Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Wear suitable protective clothing, gloves, and face/eye protection.

6.2 Environmental precautions

Avoid release to the environment. Prevent substance entering sewers. Washings must be prevented from entering surface water drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Wipe up with absorbent material, then wash with water and detergent.

6.4 Reference to other sections

Section 8: Exposure controls/personal protection. Section 13: Disposal considerations.

7. Handling and Storage

7.1 Precautions for safe handling

Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Wash hands and any other exposed areas with soap and water thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place away from incompatible materials. Do not breathe heated vapor or dust. Keep container tightly closed.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

This product does not contain relevant quantities of materials with critical values that need to be monitored at the workplace.

8.2 Exposure controls

Appropriate Engineering Controls:	Proper ventilation and/or air circulation in usage areas.
Personal Protective Equipment:	Not required for normal application/usage, but in unusual situations the following can be used: protective safety goggles, safety gloves, proper clothing covering all exposed skin, and/or respiratory equipment.
Environmental Exposure Controls:	Avoid release to the environment.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Opaque
Color:	White
Odor:	Slight
Odor threshold:	No information available
pH:	5 – 7
Relative evaporation rate (butyl acetate = 1):	No information available
Melting point:	0°C
Freezing point:	No information available
Boiling point:	100°C
Flash point:	N/A
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
Flammability (solid, gas):	N/A
Vapor pressure:	No information available
Relative vapor density at 20°C:	No information available
Relative density at 25°C:	1.1 – 1.3
Solubility:	Water miscible
Log Pow:	No information available
Log Kow:	No information available

Viscosity, kinematic:	No information available
Viscosity, dynamic:	No information available
Explosive properties:	Not explosive
Oxidizing properties:	No information available
Explosion limits:	No information available

9.2 Other information

No additional information available

10. Stability and Reactivity

10.1 Reactivity

No information available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of Hazardous Reactions

No information available

10.4 Conditions to Avoid

Keep out of direct sunlight

10.5 Incompatible Materials

Strong acids and strong alkalais

10.6 Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, nitrogen oxides

11. Toxicological Information

11.1 Information on Toxicological Effects

Acute toxicity:	Oral: Harmful if swallowed
ATE CLP (oral)	>2000 mg/kg body weight
Skin corrosion/irritation:	Not classified

Based on available data, the classification criteria are not met

	pH 5 – 7
Serious eye damage/irritation:	Causes serious eye irritation
	pH 5 – 7
Respiratory or skin sensitization:	May cause an allergic skin reaction
Germ cell mutagenicity:	Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified
	Ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP, and OSHA
Reproductive toxicity:	No information available
Specific target organ toxicity (single exposure):	Not classified
	No information available
Specific target organ toxicity (repeated exposure):	No information available
	Based on available data, the classification criteria are not met
Aspiration hazard:	No information available

12. Ecological Information

12.1 Toxicity

This product does not contain substances toxic to aquatic or terrestrial life.

12.2 Persistence and Degradability

This product contains substances which are readily biodegradable.

12.3 Bioaccumulative potential

Log Pow:	No information available
Log Kow:	No information available
Bioaccumulative potential	Low bioaccumulation potential.

12.4 Mobility in soil

Ecology – soil: Low mobility (soil).

12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

Results of PBT assessment: Not available

12.6 Other adverse effects

Other adverse effects: No information available

13. Disposal Considerations

13.1 Waste treatment methods

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws. 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.

14. Transport Information

In accordance with ADR / IMDG / IATA / DOT / UN

14.1 UN number

Not regulated for transport

14.2 UN proper shipping name

Proper Shipping Name (ADR/RID): None

Proper Shipping Name (IATA): None

Proper Shipping Name (IMDG): None

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Other information: None

14.6 Special precautions for user

Special transport precautions: None

14.6.1 Overland transport

No additional information available

14.6.2 Transport by sea

No additional information available

14.6.3 Air transport

No additional information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code: Not applicable

15. Regulatory Information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU Regulations

Contains no REACH Annex XVII (REACH Regulation (EC) No 1907/2006) restricted substances

Contains no REACH candidate substance

Contains no REACH Annex XIV substances

15.1.2 National Regulations

Regional legislation (USA): All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. Other Information

Data sources: U.S. 29CFR Part 1910
ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
IARC Monographs on the Evaluation Carcinogenic Risks to Humans World Health Organization EU Directive 91/322/EEC and 2000/39/EC
NTP 11th Report on Carcinogens

Abbreviations and acronyms: IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)

IMDG (International Maritime Dangerous Goods Code)

IOELV (Indicative Occupational Exposure Limit)

REACH (Registration, Evaluation, and Authorization of Chemicals)

WHMIS (Workplace Hazardous Material Information System (Canada))

ACGIH (American Conference of Government Industrial Hygienists)

DOT (Department of Transportation (US))

ICAO (International Civil Aviation Organization)

NOHSC (National Occupational Health and Safety Commission (Australia))

NTP (National Toxicology Program (US))

OSHA (Occupational Safety and Health Administration (US))

PEL (Permissible Exposure Limit)

STEL (Short Term Exposure Limit)

TLV (Threshold Limit Value (ACGIH))

TSCA (Toxic Substances Control Act (US))

TWA (Time Weighted Average)

NFPA Hazard ID

0	Flammability
1	Health
0	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Other Information:

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Full text of R-, H-, and EUH-phrases

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Skin Sens. 1	Skin sensitization Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
H302	Harmful if swallowed

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

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