

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name	Calcium Chloride 1.0M
CAS number	See section 3
Synonyms	N/A

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

Identified uses	Laboratory Chemicals
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#### 1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**  
Eye irritation, category 2A

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash skin thoroughly after handling.

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

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Sodium Azide	-	26628-22-8	<0.1%
Calcium chloride	-	10043-52-4	<12%
Water	-	7732-18-5	>87%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

**General advice**

Show this sheet to a doctor if medical advice is needed.

**If inhaled**

Loosen clothing as necessary and position individual in a comfortable position. Maintain an unobstructed airway. Get medical advice/attention if you feel unwell.

**In case of skin contact**

Rinse affected area with soap and water. If symptoms develop or persist, seek medical attention.

**In case of eye contact**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

**If swallowed** Rinse mouth and then drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel unwell.

**4.2 Most important symptoms and effects, both acute and delayed**

Not determined or not available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media** Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing media** None identified.

**5.2 Specific hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors. Heating causes a rise in pressure, risk of bursting and combustion

**5.3 Special protective equipment and precautions for firefighters**

Wear protective eye wear, gloves and clothing. Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**5.4 Further information**

**Flash Point** No data available.

**Autoignition Temperature** No data available.

**Explosion limits**

**Upper** No data available.

**Lower** No data available.

**Sensitivity to Mechanical Impact** No data available.

**Sensitivity to Static Discharge** No data available.

**NFPA**

Health	Flammability	Instability	Physical hazards
2	0	0	N/A

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Ensure air handling systems are operational. Wear protective eye wear, gloves and clothing.

## 6.2 Environmental precautions

Should not be released into the environment. Prevent from reaching drains, sewer or waterway.

## 6.3 Methods and materials for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders). Dispose of contents / container in accordance with local regulations.

## 6.4 Reference to other sections

Not determined or not applicable.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Do not eat, drink, smoke or use personal products when handling chemical substances. Avoid breathing mist or vapor. Use only with adequate ventilation.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage conditions

Store away from foodstuffs. Store in a cool, well-ventilated area.

### Incompatibilities

None known.

# SECTION 8: Exposure controls/personal protection

## 8.1 Occupational exposure limits

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Sodium Azide	TWA	0.1 ppm (0.3 mg/m <sup>3</sup> )

### US. ACGIH Threshold Limit Values

Component	Type	Value
Sodium Azide	ACGIH TLV C	0.29 mg/m <sup>3</sup> (as NaN <sub>3</sub> ) 0.11 ppm (as HN <sub>3</sub> )

### US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Sodium Azide	TWA	0.3 mg/m <sup>3</sup> (as NaN <sub>3</sub> ) 0.1 ppm (as HN <sub>3</sub> )

### Biological occupational exposure limits

No information available.

## 8.2 Exposure controls

### Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protective equipment

#### Eye/face protection

Safety goggles or glasses, or appropriate eye protection.

#### Skin and Body protection

Select glove material impermeable and resistant to the substance.

#### Respiratory protection

When necessary, use NIOSH-approved breathing equipment.

#### Control of environmental exposure

Wash hands before breaks and at the end of work. Avoid contact with skin, eyes and clothing. Perform routine housekeeping. Wash contaminated clothing before reusing.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No information available
Boiling Point/Range	No information available
Evaporation Rate	No information available
Flammability (solid)	No information available
Flammability or explosive limit	
Upper	No information available
Lower	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No information available
Autoignition Temp	No information available
Decomposition Temp	No information available
Viscosity	No information available

Molecular Formula	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Oxidizing properties	No information available

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Does not react under normal conditions of use and storage.

### 10.2 Chemical stability

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

None under normal conditions of use and storage.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Azide	LD50 - Rat - 27 mg/kg	-	-

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

Causes serious eye irritation

#### Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**Chronic effects**

Based on available data, the classification criteria are not met.

**11.2 Additional Information**

No additional information.

**SECTION 12: Ecological information****12.1 Toxicity**

Component	Freshwater Fish	Freshwater algae
Sodium Azide	LC50 - Oncorhynchus mykiss (Rainbow Trout) - 0.8 mg/L - 96 hr	EC50 - Pseudokirchneriella subcapitata (Green Algae) - 0.348 mg/L - 96 hr

**12.2 Persistence and degradability**

No additional information.

**12.3 Bio accumulative potential**

No additional information.

**12.4 Mobility in soil**

No additional information.

**12.5 Results of PBT and vPvB assessment**

No additional information.

**12.6 Endocrine disrupting properties**

No additional information.

**12.7 Other adverse effects**

No additional information.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11).

## SECTION 14: Transport information

### DOT (US)

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Sodium Azide

### IMDG

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Sodium Azide

### IATA

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Sodium Azide

## SECTION 15: Regulatory information

### US federal regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Sodium Azide: 1,000 lb RQ

**SARA 304 Emergency release notification**  
Sodium Azide: 1,000 lb RQ



## **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

## **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

### **SARA 302 Extremely hazardous substance**

Sodium Azide: 500 lb RQ

### **SARA 311/312 Hazardous**

See section 2 for hazard classifications.

### **SARA 313 (TRI reporting)**

Sodium Azide: Listed.

## **Other federal regulations**

### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not listed.

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

Not listed.

### **Safe Drinking Water Act**

Not listed.

### **FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

## **US state regulations**

### **US. Massachusetts RTK - Substance List**

Not listed.

### **US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

### **US. Pennsylvania Worker and Community Right-to-Know Law**

Sodium Azide: Listed.

### **California Proposition 65**

Not listed.

## **SECTION 16: Other information**

Date of Issue: 6/9/2025

## **SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.