



SAFETY DATA SHEET - CE-AF-CA179

Page 1 of 8
Revision: 11/13/2024

1. Identification

Product Name:	CE-AF-CA179
Manufacturer/Supplier:	RockRidge Abrasives 9000 Byron Commerce Dr. SW Byron Center, MI 49315
Telephone/Fax Number:	Phone: 716-759-6600 Fax: 716-759-6602
E-Mail:	sales@rockridgeabrasives.com
Date of Revision:	11/13/2024

2. Hazard(s) Identification

Classification of the substance or mixture

Physical Hazard:	Not classified
Health Hazards:	Acute toxicity, Oral (Category 4) Serious eye damage/eye irritation (Category 2A) Specific target organ toxicity, single exposure (Category 3), respiratory tract irritation
Environmental hazards:	Hazardous to the aquatic environment, acute hazard (Category 2)

GHS Label elements and precautionary statements

Pictogram:	Exclamation point
Signal word:	WARNING
Prevention	Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear eye/face protection
Response	IF SWALLOWED: Call a poison center/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations

Hazards not otherwise classified or not covered by GHS.

None known

Supplemental Information

30% of the mixture consists of component(s) of unknown acute oral toxicity. 30% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment.



SAFETY DATA SHEET - CE-AF-CA179

Page 2 of 8
Revision: 11/13/2024

3. Composition / Information on Ingredients

Component	Cas	%Wt.
Calcium Nitrate Tetrahydrate	13477-34-4	30
Other components below reportable		70

4. First-Aid Measures

Description of first aid measures

General advice: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

In case of skin contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/seek immediate medical attention.

If swallowed: Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-Fighting Measures

Extinguishing media:

Suitable Extinguishing Media: Not applicable, non-combustible.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire. Not applicable, non-combustible.

Special hazards arising from the substance or mixture: Not applicable

Advice for firefighters: None (non-combustible)

Fire fighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

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



6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Methods and materials for containment and cleaning up: Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and Storage

Precautions for safe handling: Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection

Occupational exposure limits: No exposure limits noted for ingredient(s).
Biological limit values: No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection: Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection: Use protective gloves made of: Nitrile. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). Butyl rubber. Viton rubber (fluor rubber). Suitable gloves can be recommended by the glove supplier.

Other: Wear suitable protective clothing. Use of an impervious apron is recommended.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.



SAFETY DATA SHEET - CE-AF-CA179

Page 4 of 8

Revision: 11/13/2024

Good hygiene considerations: Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

9. Physical and Chemical Properties

Form: Liquid
Color: Colorless
Odor: Odorless
Odor Threshold: N/A
Boiling Point/Range: N/A
Flash Point: N/A
Auto Ignition Temp: N/A
Flammability Limit - LEL: N/A- **UEL:** N/A
Vapor Pressure: N/A
Vapor Density: N/A
Freezing Point/Melting Point: -59.8°F (-51°C)
Solubility (Water): N/A
Evaporation Rate: (Ethyl ether = 1): N/A
Viscosity: Not Determined
pH: N/A
Density: 9.7 lb/gal estimated

10. Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Contact with incompatible materials
Incompatible materials: Acids. Combustible material. Alkalies.
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological Information

Information on likely routes of exposure

Inhalation: May cause irritation to the respiratory system.
Skin contact: Health injuries are not known or expected under normal use.
Eye contact: Causes serious eye irritation.
Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.

Information on toxicological effects

Acute toxicity: In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Specific target organ toxicity: May cause respiratory irritation.



SAFETY DATA SHEET - CE-AF-CA179

Page 5 of 8
Revision: 11/13/2024

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
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Calcium Nitrate

**Acute
Oral**

LD50

Rat

302 mg/kg

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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Calcium Nitrate Tetrahydrate (CAS 13477-34-4)

**Acute
Oral**

LD50

Rat

302 mg/kg

*Estimates for product may be based on additional component data not shown.

12. Ecological Information

Ecotoxicity: Toxic to aquatic life.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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Calcium Nitrate Tetrahydrate (CAS 13477-34-4)

Aquatic

Fish LC50

Bluegill (*Lepomis macrochirus*)

2400 mg/l, 96 hours

*Estimates for product may be based on additional component data not shown

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product of residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.



SAFETY DATA SHEET - CE-AF-CA179

Page 6 of 8
Revision: 11/13/2024

14. Transport Information

- DOT** Not regulated as dangerous goods.
- IATA** Not regulated as dangerous goods.
- IMDG** Not regulated as dangerous goods.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

- Immediate Hazard- Yes
- Delayed Hazard- No
- Fire Hazard- No
- Pressure Hazard- No
- Reactivity Hazard- No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous: No chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Calcium Nitrate Tetrahydrate	13477-34-4	30

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Other federal regulations

- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
- Safe Drinking Water Act (SDWA)
Not regulated.



SAFETY DATA SHEET - CE-AF-CA179

Page 7 of 8
Revision: 11/13/2024

US state regulations

- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.
- US. Massachusetts RTK- Substance List
Not regulated.
- US. New Jersey Worker and Community Right-to-Know Act
Calcium Nitrate Tetrahydrate (CAS 13477-34-4)
- US. Pennsylvania RTK- Hazardous Substances
Not regulated.
- US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.
- US. Rhode Island RTK
Calcium Nitrate Tetrahydrate (CAS 13477-34-4)
- US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Country(s) or region	Inventory name	On inventory
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSE)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes



16. Other Information

Full alphanumeric H-Statements and P-Statements.

H290 May be corrosive to metals.
H303 May be harmful if swallowed
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
P234 Keep only in original packaging.
P260 Do not breathe mists or sprays.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment: See Section 4: First Aid Measures.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in corrosion resistant container or container with a resistant inner liner.
P501 Dispose of contents/container in accordance with applicable regulations.

MANUFACTURER DISCLAIMER

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