# SAFETY DATA SHEET

## 1. Identification

**Material name:** ACCELGUARD NCA
**Material:** 019N 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**

| | |
|---|---|
| Serious Eye Damage/Eye Irritation | Category 2A |
| Carcinogenicity | Category 1B |
| Specific Target Organ Toxicity - Single Exposure | Category 3[1.] |

**Target Organs**

1. Respiratory tract irritation.

**Unknown toxicity - Health**

| | |
|---|---|
| Acute toxicity, oral | 66.82 % |
| Acute toxicity, dermal | 66.82 % |
| Acute toxicity, inhalation, vapor | 66.82 % |
| Acute toxicity, inhalation, dust or mist | 66.82 % |

**Label Elements**

**Hazard Symbol:**

| | |
|---|---|
| **Signal Word:** | Danger |
| **Hazard Statement:** | Causes serious eye irritation.<br>May cause cancer.<br>May cause respiratory irritation. |
| **Precautionary Statements** | |
| **Prevention:** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required. |
| **Response:** | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. |
| **Storage:** | Store in a well-ventilated place. Keep container tightly closed. Store locked up. |
| **Disposal:** | Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations. |

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

## 3. Composition/information on ingredients

**Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* |
|---|---|---|
| Calcium nitrate tetrahydrate | 13477-34-4 | 50 - <100% |
| 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:** | Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. |
| **Eye contact:** | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. |

| | |
|---|---|
| **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:** | Respiratory tract 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 fire-fighters**

| | |
|---|---|
| **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:** | Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. |
| **Contact avoidance measures:** | No data available. |
| **Hygiene measures:** | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. |

**Storage**

| | |
|---|---|
| **Safe storage conditions:** | Store locked up. |
| **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 (PPE)**

| | |
|---|---|
| **Eye/face protection:** | Wear safety glasses with side shields (or goggles). |

**Skin Protection**

| | |
|---|---|
| **Hand Protection:** | Additional Information: Use suitable protective gloves if risk of skin contact. |
| **Skin and Body Protection:** | Use personal protective equipment made of polyvinyl chloride, neoprene, nitrile, or butyl rubber if dermal exposure may occur. |
| **Respiratory Protection:** | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. Product does not contain any components with an assigned occupational exposure limit. |
| **Hygiene measures:** | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. |

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance**

| | |
|---|---|
| **Physical state:** | liquid |
| **Form:** | liquid |
| **Color:** | Pale yellow |
| **Odor:** | Mild |
| **Odor Threshold:** | No data available. |
| **Freezing point:** | No data available. |
| **Boiling Point:** | No data available. |
| **Flammability:** | No |

**Upper/lower limit on flammability or explosive limits**

| | |
|---|---|
| **Explosive limit - upper:** | No data available. |
| **Explosive limit - lower:** | No data available. |
| **Flash Point:** | No data available. |
| **Auto-ignition temperature:** | No data available. |
| **Decomposition Temperature:** | No data available. |
| **pH:** | 5 - 7 |

**Viscosity**

| | |
|---|---|
| **Dynamic viscosity:** | No data available. |
| **Kinematic viscosity:** | No data available. |
| **Flow Time:** | No data available. |

**Solubility(ies)**

| | |
|---|---|
| **Solubility in Water:** | Soluble |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water):** | No data available. |
| **Vapor pressure:** | No data available. |
| **Relative density:** | 1.44 |
| **Density:** | No data available. |
| **Bulk density:** | No data available. |
| **Relative vapor density:** | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| **Particle characteristics:** | Not applicable. |

**Other information**

| | |
|---|---|
| **Evaporation Rate:** | Slower than Ether |

## 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:** Causes mild skin irritation.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

**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: 18,427.73 mg/kg

**Dermal**
**Product:** ATEmix: 34,102.47 mg/kg

**Inhalation**
**Product:** ATEmix: 341.02 mg/l
ATEmix : 46.5 mg/l

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**
**Product:** No data available.

**Serious Eye Damage/Eye Irritation**
**Product:** No data available.
**Specified substance(s):**

| | |
|---|---|
| Sodium thiocyanate | Rabbit, 24 h: Category 1 |

**Respiratory or Skin Sensitization**
**Product:** No data available.

**Carcinogenicity**
**Product:** May cause cancer.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

| | |
|---|---|
| Calcium nitrate tetrahydrate | Overall evaluation: Probably carcinogenic to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens:**
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), 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.

**Target Organs**
Specific Target Organ Toxicity - Single Exposure: Respiratory tract irritation.

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

**Aquatic Invertebrates**
**Product:** No data available.

**Specified substance(s):**
Sodium thiocyanate — EC 50 (Daphnia magna, 48 h): 3.56 mg/l Read-across based on grouping of substances (category approach), Key study

**Chronic hazards to the aquatic environment:**

**Fish**
**Product:** No data available.

**Specified substance(s):**
Sodium thiocyanate — NOEL (Pimephales promelas): 1.84 mg/l read-across based on grouping of substances (category approach)

**Aquatic Invertebrates**
**Product:** No data available.

**Specified substance(s):**
Sodium thiocyanate — NOEC (Daphnia magna): 1.25 mg/l read-across based on grouping of substances (category approach) Read-across based on grouping of substances (category approach), Key study

**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 and 725, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

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

**Hazard categories**

Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard
Serious eye damage or eye irritation
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

Not Regulated.

**US. EPCRA (SARA Title III) Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

| Chemical Identity | % by weight |
|---|---|
| Calcium nitrate tetrahydrate | 1.0% |

**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**

No ingredient requiring a warning under CA Prop 65.

**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: | All components in this product are listed on or exempt from the Inventory. |
| Canada DSL Inventory List: | All components in this product are listed on or exempt from the Inventory. |
| Japan (ENCS) List: | All components in this product are listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | All components in this product are 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: | All components in this product are 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: | All components in this product are 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. |
| Ontario Inventory: | 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. |
| Mexico INSQ: | One or more components in this |

| | |
|---|---|
| | product are not listed on or exempt from the Inventory. |
| Taiwan Chemical Substance Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| EC Inventory: | 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:** | 07/14/2026 |
| **Version #:** | 6.4 |
| **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. |