



Material Safety Data Sheet

NED Griess Reagent

1. Product Identification

Synonyms: CA-6 Analyzer Nitrite Reagent #2

CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable to mixtures.

Chemical Formula: Not applicable to mixtures.

Product Codes: ECD P/N 2010097-1

Manufacture By: Electro-Chemical Devices, Inc.
1681 Kettering
Irvine, CA 92614
Phone: (800) 729-1333

2. Hazards Identification

Emergency Overview

GHS Classification

Skin irritation (Category 1)

Serious eye irritation (Category 1)

GHS Label elements, including precautionary statements

Pictogram:



Signal word Irritant

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

P280 Wear protective gloves/ 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.



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HMIS Classification

Health hazard: 1

Flammability: 0

Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled.

Skin May be harmful if absorbed through skin.

Eyes May be irritating to eyes.

Ingestion May be harmful if swallowed.

3. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
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N-(1-Naphthyl) ethylene diammonium dichloride	465-25-4	0.1 % w/v	No
Water	7732-18-5	Balance	No

4. First Aid Measures

General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash with soap and water and consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire Fighting Measures

Flammability of the Product: Non-flammable

Auto-ignition Temperature: Not applicable

Flash Points: Not applicable

Flammable Limits: Not applicable



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Products of Combustion:	Hazardous decomposition products formed under fire conditions. – Hydrogen chloride gas
Fire Hazards:	Not applicable
Explosion Hazards:	Static Discharge: None
Mechanical Impact:	None
Fire Fighting Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective Clothing:	Wear self-contained breathing apparatus for firefighting if necessary
Special Remarks:	The product itself does not burn.

6. Accidental Release Measures

Personal precautions

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Storage: Store in a cool, dry, well ventilated place. Store in a tightly closed container

8. Exposure Controls/Personal Protection

None

Personal protective equipment

Respiratory protection

None needed. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU) if used.

Hand protection



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Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Choose impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice

9. Physical and Chemical Properties

Appearance:	Clear, liquid.
Odor:	Odorless.
Solubility:	Complete (100%)
Specific Gravity:	1.00 g/ml, water = 1
pH:	Neutral, 5-8 pH
% Volatiles by volume @ 21C (70F):	NA
Boiling Point:	100°C
Melting Point:	No information found.
Vapor Density (Air=1):	Not applicable.
Vapor Pressure (mm Hg):	Not applicable.

10. Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	no data available
Incompatibilities with Other Materials:	oxidizing agents and light
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas. Other decomposition products - no data available.
Hazardous Polymerization:	Has not been reported



11. Toxicological Information

Toxicity: No data available

CARCINOGENIC EFFECTS:

ACGIH: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Acute Effects on Humans: Not available

Synergetic Products (Toxicologically): Not available.

Irritancy Draize Test: Not available

Sensitization: Not available

Toxicity to Reproductive System: Not available

Teratogenic Effects: Not available

Mutagenic Effects: Not available

Potential health effects

Inhalation May be harmful if inhaled.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Eco-toxicity: No data available

Environmental: No information available

Physical: No information available.

13. Disposal Considerations



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Treatment: No special considerations, observe all Federal, State and local laws when disposing of this solution.

14. Transport Information

DOT (US)

Not Regulated

Reportable Quantity (RQ):

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

Not regulated

Marine pollutant: No

IATA

Not regulated

15. Regulatory Information

OSHA Hazards

Irritant

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

none

Pennsylvania Right To Know Components

None

New Jersey Right To Know Components



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None

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Text of H-code(s) and R-phrase(s)

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label First Aid:

Not applicable.

Product Use:

Laboratory Reagent.

Revision Information:

MSDS-2010097-1 rev. a June. 2013
