

Material Safety Data Sheet: COILEX EF QUART SAMPLE, NAC MM

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name COILEX EF QUART SAMPLE, NAC MM
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0213
Chemical nature Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING

Causes skin irritation
Causes severe eye irritation
May cause allergic skin reaction
May cause irritation of respiratory tract
May cause allergic respiratory reaction
Harmful if swallowed

Color Green

Physical State Liquid

Odor Mint-like

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact.

Primary Routes of Entry

Inhalation, Skin Absorption.

Acute Effects

Eyes

Severe irritation.

Skin

Causes skin irritation. May cause allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Inhalation

May cause irritation of respiratory tract. May cause allergic respiratory reaction.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May produce an allergic reaction.

Chronic Toxicity

May cause sensitization of susceptible persons.

Target Organ Effects

Eyes, Skin, Respiratory system, Immune system, Central nervous system.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No |
|------------------------------|------------|
| Alcohols, C9-11, ethoxylated | 68439-46-3 |
| Lauramide DIPA | 54914-38-4 |
| Sodium sulfite | 7757-83-7 |

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician

May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C

Method

Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Flammability Limits in Air %.

Upper No data available

Lower No data available

Suitable Extinguishing Media

Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA Health 2

Flammability 1

Instability 0

HMIS Health 2

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. |
| Environmental Precautions | Do not flush into surface water or sanitary sewer system. |
| Methods for Containment | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13) |
| Methods for Cleaning Up | Pick up and transfer to properly labeled containers. |
| Neutralizing Agent | Not applicable. |

7. HANDLING AND STORAGE

| | | | | |
|----------------------------|---|--------------|----------------|-----------------------------------|
| Handling | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. | | | |
| Storage | Keep containers tightly closed in a cool, well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. | | | |
| Storage Temperature | Minimum | 35 °F / 2 °C | Maximum | 120 °F / 49 °C |
| Storage Conditions | Indoor | X | Outdoor | Heated Refrigerated |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|------------------------------|-------------------|-------------------|-------------------|
| Alcohols, C9-11, ethoxylated | No data available | No data available | No data available |
| Lauramide DIPA | No data available | No data available | No data available |
| Sodium sulfite | No data available | No data available | No data available |

| | |
|---------------------------------------|--|
| Engineering Measures | Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. |
| Personal Protective Equipment | |
| Eye/Face Protection | Tightly fitting safety goggles. |
| Skin Protection | Wear suitable protective clothing, Impervious gloves. |
| Respiratory Protection | In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| General Hygiene Considerations | Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|-----------------|-------------------------|------------------------|
| Physical State | Liquid | Viscosity | Non viscous |
| Color | Green | Odor | Mint-like |
| Appearance | Transparent | pH | 11.49 |
| Specific Gravity | 1 | Evaporation Rate | 0.51 (Butyl acetate=1) |
| Percent Volatile (Volume) | 82 | VOC Content (%) | 6.8 |
| VOC Content (g/L) | 68 | Vapor Pressure | 17.19 mmHg @ 68°F |
| Vapor Density | 0.6 (Air = 1.0) | Solubility | Completely soluble |
| Boiling Point/Range | 212 °F / 100 °C | | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical Stability | Stable. Hazardous polymerization does not occur. |
| Conditions to Avoid | None known |
| Incompatible Products | Strong oxidizing agents, Acids. |
| Hazardous Decomposition Products | Carbon oxides, Nitrogen oxides (NO _x), Sulfur oxides. |
| Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|------------------------------|----------------------|---------------------|--|-------------------|-------------------|
| Alcohols, C9-11, ethoxylated | = 1378 mg/kg (Rat) | > 2 g/kg (Rabbit) | no data available | no data available | no data available |
| Lauramide DIPA | no data available | no data available | no data available | no data available | no data available |
| Sodium sulfite | = 820 mg/kg (Rat) | no data available | > 5.5 mg/L (Rat) 4 h > 22 mg/L (Rat) 1 h | no data available | no data available |

Chronic Toxicity

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|------------------------------|-------------------|---|------------------------|-----------------------|--|
| Alcohols, C9-11, ethoxylated | no data available | no data available | no data available | no data available | no data available |
| Lauramide DIPA | no data available | no data available | no data available | no data available | no data available |
| Sodium sulfite | no data available | Skin sensitization, respiratory sensitization | no data available | no data available | Respiratory system, Immune system, CNS |

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | ACGIH | IARC | NTP | OSHA | Other |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Alcohols, C9-11, ethoxylated | not applicable | not applicable | not applicable | not applicable | not applicable |
| Lauramide DIPA | not applicable | not applicable | not applicable | not applicable | not applicable |
| Sodium sulfite | not applicable | not applicable | not applicable | not applicable | not applicable |

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|------------------------------|-------------------|---|----------------------|---------------------|---------|
| Alcohols, C9-11, ethoxylated | no data available | no data available | no data available | no data available | N/A |
| Lauramide DIPA | no data available | no data available | no data available | no data available | N/A |
| Sodium sulfite | no data available | LC50 220 - 460 mg/L Leuciscus idus 96 h | EC50 = 770 mg/L 17 h | LC50= 330 mg/L 24 h | -4 |

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes | Yes | No | No | No |

CERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|------------------------------|--------------------------|----------------|
| Alcohols, C9-11, ethoxylated | Not applicable | Not applicable |
| Lauramide DIPA | Not applicable | Not applicable |
| Sodium sulfite | Not applicable | Not applicable |

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials D2B Toxic materials

**16. OTHER INFORMATION**

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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