

SECTION 1 – IDENTIFICATION

GHS Product Identifier | Trade Name: Cola®Mine 1-76
CAS Number: Proprietary
Uses of the Substance / Mixture: Surfactant for various applications
Formula: N/A
Synonym: Alkanolamide
Company Name: Colonial Chemical, Inc.
Company Address: P.O. Box 111, South Pittsburg, TN 37380 USA
Phone Number: (P) 423.837.8800 (F) 423.837.3888
Emergency Phone Number: Colonial Chemical: 423.837.8800 Chemtrec: 800.424.9300

SECTION 2 – HAZARDOUS IDENTIFICATION

Classification:
Skin Irritation, Category 2
Eye Irritation, Category 2

Label Elements:
Hazardous products which must be listed on the label:
Diethanolamine CAS# 111-42-2

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Pictogram:



| | | |
|---------------------------|--|--|
| Signal word: | Warning | |
| Hazard statements: | H315 H319 | Causes skin irritation Causes serious eye irritation |
| Precautionary statements: | General None | |
| | Prevention P264 P280 | Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection. |
| | Response P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| | P305+P351+P338 P332 + P313 P337 + P313 P362 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention If eye irritation persists get medical advice/attention Take off contaminated clothing and wash before reuse |
| | Storage P404 | Store in a closed container |
| | Disposal P501 | Dispose of contents/container to an approved waste disposal plant |

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical nature: Surfactant

Information on Components and Impurities

| Chemical Name | CAS No. | Identification No. | GHS Classification | Concentration (%) |
|----------------|----------|--------------------|---|-------------------|
| Diethanolamine | 111-42-2 | 203-868-0 | Acute Tox. 4 H302: Harmful if swallowed. Skin Irrit. 2 H315: Causes skin irritation. Eye Damage 1 H318: Causes serious eye damage. STOT Rep. Exp. 2 H373: May cause damage to organs through prolonged or repeated exposure. | 18 |

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself/herself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention.

Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If present and easy to do, remove contacts. Consult a physician.

Ingestion: Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing mediaSuitable extinguishing media: CO₂, Dry Chemical, BC/ABC Extinguishers**Special hazards arising from the substance or mixture**

Specific hazards during firefighting: None

Advice for firefightersSpecial protective equipment: Self-contained breathing apparatus (EN 133)
Full protective suit

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing.

Methods for Cleaning or Taking Up

SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

LARGE SPILLS: Dike far ahead of spill for later disposal. To avoid gelling and foaming problems, do not use water to flush to industrial sewer. Spills may be reportable to local, state, federal and/or provincial authorities

Additional advice

Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 – HANDLING AND STORAGE

Handling

Advice on safe handling and usage: Avoid contact with skin and eyes. Material is slippery.

Storage

Recommended: Keep container closed when not in use.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

| Components | Value Type | Value | Basis |
|----------------|------------|---------------------|--------------------|
| Diethanolamine | TWA | 2 mg/m ³ | Inhalable fraction |

Control Measures

Engineering measures: Avoid splashes. Apply technical measures to comply with any occupational exposure limits when applicable.

Personal protective equipment

Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear appropriate gloves. In EU member states, gloves should satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe instructions provided by the glove supplier regarding permeability and breakthrough time. Also, take into consideration the specific local conditions under which the product is used, such as danger of cuts, abrasion and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Wear safety goggles. In case of contact through splashing: Wear face-shield and protective suit.

Skin and body protection: Wear appropriate clothing to avoid direct skin contact. Remove and wash contaminated clothing before wearing again.

Hygiene measures: Emergency equipment nearby and immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Store the personal protection equipment in a clean location away from the work area. Contaminated work clothing should not be allowed out of the workplace. Before re-use, thoroughly clean personal protection equipment. Wash hands before breaks and immediately after handling the product. Shower or bathe at the end of working. When using the product do not eat, drink or smoke.

Protective measures: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should take into account the performance of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Liquid
 Physical state: Liquid
 Color: Clear amber
 Odor: characteristic
 Odor Threshold: no data available

Safety data

pH (10% aqueous): 9.0
 Melting point/range: no data available
 Boiling point/boiling range: 65.6°C

| | |
|--|--------------------|
| Flash point: | 93.9 °C closed cup |
| Flammability (solid, gas): | no data available |
| Auto-ignition temperature | no data available |
| Water solubility: | dispersible |
| Solubility in other solvents | no data available |
| Partition coefficient: noctanol/water: | no data available |
| Vapor pressure: | no data available |
| Evaporation rate: | no data available |
| Density: | 0.99 |
| Oxidation/Reduction Potential: | no data available |
| Viscosity, dynamic: | no data available |
| Viscosity, kinematic: | no data available |
| Explosive properties: | no data available |
| Thermal decomposition: | no data available |
| Lower explosion limit: | no data available |
| Upper explosion limit: | no data available |

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable

Hazardous reactions

| | |
|---------------------|-------------------------|
| Conditions to avoid | N/A |
| Materials to avoid | Strong oxidizing agents |

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

| | |
|---------------------------------|-------------------|
| Acute oral toxicity: | no data available |
| Acute inhalation toxicity: | no data available |
| Acute dermal toxicity: | no data available |
| Other routes of administration: | no data available |
| Aspiration toxicity: | no data available |

Skin corrosion/irritation

| | |
|------------------|-------------------|
| Skin irritation: | no data available |
|------------------|-------------------|

Serious eye damage/eye irritation

| | |
|-----------------|-------------------|
| Eye irritation: | no data available |
|-----------------|-------------------|

Respiratory or skin sensitization

| | |
|----------------|-------------------|
| Sensitization: | no data available |
|----------------|-------------------|

Repeated dose toxicity

| | |
|-------------------------|-------------------|
| Repeated dose toxicity: | no data available |
|-------------------------|-------------------|

STOT

| | |
|---------------------------|-------------------|
| STOT - single exposure: | no data available |
| STOT - repeated exposure: | no data available |

Carcinogenicity

| | |
|------------------|-------------------|
| Carcinogenicity: | no data available |
|------------------|-------------------|

Mutagenicity

| | |
|------------------------|-------------------|
| Genotoxicity in vitro: | no data available |
| Genotoxicity in vivo: | no data available |

Reproductive toxicity

| | |
|------------------------|-------------------|
| Reproductive toxicity: | no data available |
|------------------------|-------------------|

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity assessment

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|-------------------------|-------------------|
| Ecotoxicity assessment: | no data available |
|-------------------------|-------------------|

Persistence and degradability

Biodegradability: no data available

Bioaccumulation

Bioconcentration factor (BCF): no data available

Other adverse effects

Environment assessment: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS**Product Disposal**

Advice on Disposal: Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

| | |
|------|---------------|
| ADR | not regulated |
| RID | not regulated |
| IMDG | not regulated |
| IATA | not regulated |

This item contains Diethanolamine, which has an RQ amount of 100 pounds. Any container that holds an equal or greater amount is a DOT hazardous substance and is shipped as stated below. Any container containing a lesser amount is non-regulated.

| | |
|------------------------------|--|
| Proper Shipping Name: | Environmentally Hazardous Substance, liquid N.O.S. (contains Diethanolamine) |
| DOT Hazard Class: | 9 |
| UN Number: | UN3082 |
| Packing Group: | III |

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15 – REGULATORY INFORMATION

| | |
|-----------------------------|--------|
| TSCA: | Listed |
| EU (EINECS): | Listed |
| Canada (DSL): | Listed |
| Australia (AICS): | Listed |
| Japan (ENCS): | N/D |
| Philippines (PICCS): | Listed |
| Korea (ECL): | Listed |
| New Zealand (NZIoC): | Listed |
| China (IECSC): | Listed |

| | |
|---|---|
| SARA TITLE III, Section 302, 304, 313: | Diethanolamine (111-42-2) |
| SARA TITLE III, Section 311, 312: | Delayed Hazard – no Immediate Health Hazard – yes Fire – no Pressure -- no Reactivity -- no |

| | |
|----------------|-----------------------------|
| CERCLA: | Diethanolamine (111-42-2) |
| WHMIS: | Class D, Division 2 – Toxic |

| | |
|---|----------------|
| New Jersey Hazardous Substances: | Diethanolamine |
|---|----------------|

California Proposition 65: This product contains the following chemicals known to the state of California to cause cancer and/or birth defects or reproductive harm.

Diethanolamine CAS: 111-42-2

Follow all regulations in your country or region. Colonial Chemical, Inc is unable to confirm all regulatory information in regard to the substances in your country or region, and this information is subject to change without notice.

SECTION 16 – OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Full text of P-Statements referred to under sections 2 and 3.

| | |
|----------------|--|
| P264 | Wash skin thoroughly after handling. |
| P280 | Wear protective gloves/ eye protection/ face protection. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention |
| P337 + P313 | If eye irritation persists get medical advice/attention |
| P362 | Take off contaminated clothing and wash before reuse |
| P404 | Store in a closed container |
| P501 | Dispose of contents/container to an approved waste disposal plant |

| | |
|----------------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 1 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |

The information provided in this Safety Data Sheet is accurate to the best of Colonial Chemical, Inc.'s knowledge. No guarantees or liabilities are expressed or implied. Because users are most aware of the application of the product, they must ensure that proper personal protective equipment (PPE) is provided consistent with the information contained in the product SDS. This information is intended solely for the use of individuals trained in the particular hazard rating system. It does not release users from ensuring they are in conformity with all regulations linked to its activity.