

SECTION 1 – IDENTIFICATION

GHS Product Identifier | Trade Name: Colateric LMB
CAS Number: 4292-10-8
Uses of the Substance / Mixture: Surfactant for various applications
Formula: N/A
Synonym: Laurylamidopropyl betaine
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: (Regulation EC no.1272/2009)
 H318: Causes serious eye damage

Classification:(67/548/EEC,1999/45/EC)
 R41: Risk of serious damage to eyes

Label Elements:
Hazardous products which must be listed on the label:
Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Pictogram:



Signal word: Warning
Hazard statements: H318: Causes serious eye damage

Precautionary Statements: P305 & P351 P338: If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing.

P284: Wear respiratory protection.

Sensitizing components: N-[3-(dimethylamino)propyl]dodecanamide : May produce an allergic reaction.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance
 Chemical nature: Surfactant

Information on Components and Impurities

| Chemical Name | CAS No. | GHS Classification | Concentration (%) |
|-------------------------------------------------------------------------|----------------------------------------|----------------------------------------|-------------------|
| (carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide | 4292-10-8 EINECS-No. : 224-292-6 | H318 : Serious eye damage , Category 1 | >= 20 - < 25 |
| (carboxymethyl)dimethyl-3-[(1- | CAS-No. : | H318 : Serious eye damage , Category 1 | >= 5 - < 10 |

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|----------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| oxotetradecyl)amino]propylammonium hydroxide | 59272-84-3 EINECS-No. : 261-684-6 | | |
| N-[3-(dimethylamino)propyl]dodecanamide | CAS-No. : 3179-80-4 EINECS-No. : 221-661-3 | H302 : Acute toxicity , Category 4 H314 : Skin corrosion , Category 1A H317 : Skin sensitization , Category 1 H400 : Acute aquatic toxicity , Category 1 | >= 0.25 - < 1 |

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

General advice: First aider needs to protect himself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Move to fresh air.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Consult a physician if necessary.

Eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion: Do NOT induce vomiting. Do not give anything to drink. If symptoms persist, call a physician.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : The product is not flammable. Carbon dioxide (CO2) Dry powder Water spray
Unsuitable extinguishing media : High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Aqueous liquid. Does not present any particular risk in the event of a fire. Nevertheless, following the evaporation of water, the residue may burn: with the release of toxic gas.

Advice for firefighters

Special protective equipment: Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.
Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Wear suitable protective equipment. Wear suitable gloves. Tightly fitting safety goggles. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. For further information refer to section 8 "Exposure controls/personal protection".

Methods for Cleaning or Taking Up

Recovery: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Wash off with plenty of water.

Decontamination/cleaning: Wash off with plenty of water.

Disposal: Dispose of in accordance with local regulations.

Additional advice

Material can create slippery conditions.

SECTION 7 – HANDLING AND STORAGE

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Handling

Advice on safe handling and usage: Avoid splashes. Handle in accordance with good industrial hygiene and safety practice.

Storage

Recommended: Stable under normal conditions. Keep in a well-ventilated place. Keep away from heat and sources of ignition.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Derived No. Effect Level (DNEL)

| Components | Population | Route of Exposure | Potential Health Effects | Value | Note |
|-------------------------------------------------------------------------|------------|-------------------|-------------------------------------|----------------------|------|
| (carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide | Workers | Skin Contact | Chronic Effects Systemic Effects | 12.5 mg/kg bw/day | |
| | | Inhalation | Chronic Effects Systemic Effects | 44 mg/m ³ | |
| | Consumers | Skin Contact | Chronic Effects Systemic Effects | 7.5 mg/kg bw/day | |
| | | Inhalation | Chronic Effects Systemic Effects | 3.71 mg/kg bw/day | |

Predicted No Effect Concentration (PNEC)

| Components | Compartment | Value | Remarks |
|-------------------------------------------------------------------------|----------------------|--------------|---------|
| (carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide | Fresh Water | 0.013 mg/l | |
| | Fresh Water Sediment | 1 mg/kg (ww) | |
| | STP | 3000mg/l | |

Personal protective equipment

Respiratory protection: Use a respirator with an approved filter if a risk assessment indicates this is necessary.

Hand protection: Protective Gloves

Eye protection: Safety glasses with side-shields. In case of contact through splashing: Face-shield

Skin and body protection: Protective Suit

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

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 be based on an evaluation of the performance characteristics 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.

General advice : Contain the spilled material by bunding. Try to prevent the material from entering drains or water courses.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|-----------------|--------------------------|
| Form: | Liquid |
| Physical state: | Liquid |
| Color: | Colorless to Pale Yellow |
| Odor: | None to Very Slight |
| Odor Threshold: | no data available |

Safety data

| | |
|----------------------------------------|---------------------|
| pH: | ca. 8 |
| Melting point/range: | no data available |
| Boiling point/boiling range: | ca. 100 °C |
| Flash point: | > 100 °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 |
| Relative vapor density: | 1.02 |
| Density: | no data available |
| 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 under normal conditions.

Hazardous reactions

| | |
|---------------------|-----------------------------------------------------------------------------------|
| Conditions to avoid | Avoid excessive heat for prolonged periods of time |
| Materials to avoid | Strong acids Strong bases Strong oxidizing agents Strong reducing 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: | Moderately irritating |
|-----------------|-----------------------|

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|------------------------------------------|-------------------|
| 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

| | |
|-------------------------------------------------|---------------------------------------------------------------------------|
| Aquatic Compartment (including sediment) | |
| Toxicity to fish: | no data available |
| Ecotoxicity assessment | |
| Ecotoxicity assessment: | no data available |
| Biodegradability | |
| Biodegradability: | Biodegradable |
| Bioaccumulation | |
| Bioconcentration factor (BCF): | no data available |
| Other adverse effects | |
| Environment assessment: | Not classified as Dangerous for the Environment, according to EC criteria |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Product Disposal | |
| Prohibition: | Should not be released into the environment. |
| Advice on Disposal: | Dispose of in accordance with local regulations. |
| Advice on cleaning and disposal of packaging | |
| Measures for waste avoidance: | Do not dispose of the product at a rubbish tip. |
| Advice: | Completely empty the packaging prior to decontamination. Carefully drain and then steam clean. |
| Reason for waste disposal: | Reuse or recycle following washing. |
| Other data: | Dispose of in accordance with local regulations. |

SECTION 14 – TRANSPORTATION INFORMATION

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

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

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

California Proposition 65

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm:
Dichloroacetic Acid CAS# 79-43-6 < 10 ppm

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 & P Statements referred to under sections 2 and 3.

| | |
|------|--------------------------------------------------------------------|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| P284 | Wear respiratory protection. |
| P305 | If in eyes |
| P338 | Rinse cautiously with water for several minutes. |
| P351 | Remove contact lenses if present and easy to do- continue rinsing. |

| | |
|----------------------------|----------|
| 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.

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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

Aquatic Compartment (including sediment)
Toxicity to fish: no data available

Ecotoxicity assessment
Ecotoxicity assessment: no data available

Biodegradability
Biodegradability: Biodegradable

Bioaccumulation
Bioconcentration factor (BCF): no data available

Other adverse effects
Environment assessment: Not classified as Dangerous for the Environment, according to EC criteria

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Disposal
Prohibition: Should not be released into the environment.
Advice on Disposal: Dispose of in accordance with local regulations.

Advice on cleaning and disposal of packaging
Measures for waste avoidance: Do not dispose of the product at a rubbish tip.
Advice: Completely empty the packaging prior to decontamination.
Carefully drain and then steam clean.
Reason for waste disposal: Reuse or recycle following washing.
Other data: Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

ADR not regulated
RID not regulated
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IATA not regulated

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