

# SoftCIDE

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Revision Date: 07/21/2015 Date of issue: 06/17/2015

Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** SoftCIDE

#### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Antimicrobial Handwash

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Company

Erie Scientific LLC (part of Thermo Fisher Scientific)  
20 Post Road  
Portsmouth, NH 03801  
T: 888-374-3724

[www.thermofisher.com](http://www.thermofisher.com)

##### Manufacturer

P.J. Noyes Company (Nipro)  
57 Bridge Street  
Lancaster, NH 03584  
T: 603-788-4952

#### 1.4. Emergency Telephone Number

**Emergency Number** : 800-424-9300 CHEMTREC (US)  
1-202-483-7616 CHEMTREC (EU)  
1-703-741-5970 CHEMTREC (INTERNATIONAL)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### Classification (GHS-US)

|                   |      |
|-------------------|------|
| Skin Irrit. 2     | H315 |
| Eye Irrit. 2B     | H320 |
| Skin Sens. 1      | H317 |
| Carc. 2           | H351 |
| Repr. 2           | H361 |
| Aquatic Acute 2   | H401 |
| Aquatic Chronic 2 | H411 |

Full text of H-phrases: see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Warning

##### Hazard Statements (GHS-US)

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H320 - Causes eye irritation.  
H351 - Suspected of causing cancer.  
H361 - Suspected of damaging fertility or the unborn child.  
H401 - Toxic to aquatic life.  
H411 - Toxic to aquatic life with long lasting effects.

##### Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of 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.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                                                                                                                   | Product Identifier  | %               | Classification (GHS-US)                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water                                                                                                                  | (CAS No) 7732-18-5  | 52.493 - 52.893 | Not classified                                                                                                                                               |
| Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt                                             | (CAS No) 9004-82-4  | 25              | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                                  |
| Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt                                                                       | (CAS No) 137-16-6   | 10              | Acute Tox. 2<br>(Inhalation:dust,mist), H330<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                                                      |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts             | (CAS No) 61789-40-0 | 2.9 - 3.2       | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Acute 1, H400                                                                                          |
| Coconut diethanolamide                                                                                                 | (CAS No) 68603-42-9 | 1.2 - 2.4       | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Carc. 2, H351<br>Aquatic Acute 2, H401                                                                         |
| Diethanolamide of linoleic acid                                                                                        | (CAS No) 56863-02-6 | 1.2 - 2.4       | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                                                                                                                   |
| Polyoxyethylene sorbitan monolaurate                                                                                   | (CAS No) 9005-64-5  | 2               | Not classified                                                                                                                                               |
| Sodium chloride                                                                                                        | (CAS No) 7647-14-5  | 0.4 - 0.5       | Not classified                                                                                                                                               |
| Cellulose, ether with .alpha.-[2-hydroxy-3-(trimethylammonio)propyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), chloride | (CAS No) 68610-92-4 | 0.5             | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                                                               |
| Diethanolamine                                                                                                         | (CAS No) 111-42-2   | 0.12 - 0.28     | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Carc. 2, H351<br>STOT RE 2, H373<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| Benzoic acid, C12-15-alkyl esters                                                                                      | (CAS No) 68411-27-8 | 0.2             | Not classified                                                                                                                                               |
| Allantoin                                                                                                              | (CAS No) 97-59-6    | 0.2             | Not classified                                                                                                                                               |

|                                                                                                                                                                                                                                                                               |                     |             |                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tetrasodium EDTA                                                                                                                                                                                                                                                              | (CAS No) 64-02-8    | 0.1         | Comb. Dust<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4<br>(Inhalation:dust,mist), H332<br>Eye Dam. 1, H318<br>Aquatic Acute 2, H401                                                                              |
| 3,5,7-Triaza-1-azoniatricyclo[3.3.1.1 <sup>3,7</sup> ]decane,<br>1-(3-chloro-2-propenyl)-, chloride, (Z)-                                                                                                                                                                     | (CAS No) 51229-78-8 | 0.1         | Flam. Sol. 2, H228<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Dermal), H311<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411 |
| Propanoic acid, 2-hydroxy-, monosodium salt,<br>(S)-                                                                                                                                                                                                                          | (CAS No) 867-56-1   | 0.02 - 0.06 | Not classified                                                                                                                                                                                                    |
| Aloe barbadensis, extract<br>Extractives and their physically modified<br>derivatives such as tinctures, concretes,<br>absolutes, essential oils, oleoresins, terpenes,<br>terpene-free fractions, distillates, residues, etc.,<br>obtained from aloe barbadensis, liliaceae. | (CAS No) 94349-62-9 | 0 - 0.05    | Not classified                                                                                                                                                                                                    |
| Isopropyl myristate                                                                                                                                                                                                                                                           | (CAS No) 110-27-0   | 0 - 0.05    | Aquatic Acute 3, H402                                                                                                                                                                                             |
| Oils, walnut                                                                                                                                                                                                                                                                  | (CAS No) 8024-09-7  | 0.05        | Flam. Liq. 3, H226                                                                                                                                                                                                |
| Olive oil                                                                                                                                                                                                                                                                     | (CAS No) 8001-25-0  | 0.05        | Not classified                                                                                                                                                                                                    |
| Joboba, extract - Extractives and their physically<br>modified derivatives such as tinctures,<br>concretes, absolutes, essential oils, oleoresins,<br>terpenes, terpene-free fractions, distillates,<br>residues, etc., obtained from simmondsia<br>chinensis n., buxaceae.   | (CAS No) 90045-98-0 | 0.05        | Not classified                                                                                                                                                                                                    |
| Rice bran oil                                                                                                                                                                                                                                                                 | (CAS No) 68553-81-1 | 0.05        | Not classified                                                                                                                                                                                                    |
| Linolenic acid                                                                                                                                                                                                                                                                | (CAS No) 463-40-1   | 0 - 0.05    | Skin Sens. 1, H317                                                                                                                                                                                                |
| Vitamin E                                                                                                                                                                                                                                                                     | (CAS No) 1406-18-4  | 0 - 0.05    | Not classified                                                                                                                                                                                                    |

Full text of H-phrases: see section 16

**SECTION 4: FIRST AID MEASURES****4.1. Description of First Aid Measures****First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.**4.2. Most important symptoms and effects, both acute and delayed****Symptoms/Injuries:** Causes skin irritation. Skin sensitization. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes serious eye irritation.**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

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**Chronic Symptoms:** Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do NOT breathe (vapor, mist, spray).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Products:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Antimicrobial Handwash

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

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| Diethanolamine (111-42-2) |                                      |                                                                                                                                                    |
|---------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| USA ACGIH                 | ACGIH TWA (mg/m <sup>3</sup> )       | 1 mg/m <sup>3</sup> (inhalable fraction and vapor)                                                                                                 |
| USA ACGIH                 | ACGIH chemical category              | Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA NIOSH                 | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup>                                                                                                                               |
| USA NIOSH                 | NIOSH REL (TWA) (ppm)                | 3 ppm                                                                                                                                              |

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye Protection

: Chemical goggles.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

#### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|                                        |                                  |
|----------------------------------------|----------------------------------|
| Physical State                         | : Liquid                         |
| Appearance                             | : Clear to opaque viscous liquid |
| Odor                                   | : Faint                          |
| Odor Threshold                         | : No data available              |
| pH                                     | : 5.6 - 6                        |
| Evaporation Rate                       | : No data available              |
| Melting Point                          | : No data available              |
| Freezing Point                         | : No data available              |
| Boiling Point                          | : 100 - 101 °C (212 - 213.8 °F)  |
| Flash Point                            | : Not applicable                 |
| Auto-ignition Temperature              | : No data available              |
| Decomposition Temperature              | : No data available              |
| Flammability (solid, gas)              | : No data available              |
| Vapor Pressure                         | : No data available              |
| Relative Vapor Density at 20 °C        | : No data available              |
| Relative Density                       | : 1.0402                         |
| Solubility                             | : Soluble in water               |
| Partition Coefficient: N-Octanol/Water | : No data available              |
| Viscosity                              | : 3736 - 6016 cP                 |

### 9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

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**10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.

**10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

**10.6. Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Inhalation:dust,mist: Not classified.

|                                                                                                                                |                                            |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Isopropyl myristate (110-27-0)</b>                                                                                          |                                            |
| LD50 Oral Rat                                                                                                                  | > 10000 mg/kg                              |
| LD50 Dermal Rabbit                                                                                                             | 5 g/kg                                     |
| LC50 Inhalation Rat                                                                                                            | > 41 mg/l (Exposure time: 1 h)             |
| <b>Polyoxyethylene sorbitan monolaurate (9005-64-5)</b>                                                                        |                                            |
| LD50 Oral Rat                                                                                                                  | > 18000 mg/kg                              |
| <b>Sodium chloride (7647-14-5)</b>                                                                                             |                                            |
| LD50 Oral Rat                                                                                                                  | 3 g/kg                                     |
| LC50 Inhalation Rat                                                                                                            | > 42 g/m <sup>3</sup> (Exposure time: 1 h) |
| <b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b> |                                            |
| LD50 Oral Rat                                                                                                                  | 4900 mg/kg                                 |
| <b>Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt (137-16-6)</b>                                                             |                                            |
| LD50 Oral Rat                                                                                                                  | > 5000 mg/kg                               |
| LC50 Inhalation Rat                                                                                                            | 0.5 mg/l/4h                                |
| <b>3,5,7-Triaza-1-azoniatricyclo[3.3.1.1<sup>3,7</sup>]decane, 1-(3-chloro-2-propenyl)-, chloride, (Z)- (51229-78-8)</b>       |                                            |
| ATE (Oral)                                                                                                                     | 500.00 mg/kg body weight                   |
| ATE (Dermal)                                                                                                                   | 300.00 mg/kg body weight                   |
| <b>Tetrasodium EDTA (64-02-8)</b>                                                                                              |                                            |
| LD50 Oral Rat                                                                                                                  | 1780 mg/kg                                 |
| ATE (Dust/Mist)                                                                                                                | 1.50 mg/l/4h                               |
| <b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)</b>                                  |                                            |
| LD50 Oral Rat                                                                                                                  | 1600 mg/kg                                 |
| <b>Diethanolamide of linoleic acid (56863-02-6)</b>                                                                            |                                            |
| LD50 Oral Rat                                                                                                                  | 10800 µl/kg                                |
| <b>Coconut diethanolamide (68603-42-9)</b>                                                                                     |                                            |
| LD50 Oral Rat                                                                                                                  | 12400 mg/kg                                |
| LD50 Dermal Rabbit                                                                                                             | > 2000 mg/kg                               |
| <b>Diethanolamine (111-42-2)</b>                                                                                               |                                            |
| LD50 Oral Rat                                                                                                                  | 1820 mg/kg                                 |

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 5.6 - 6

**Serious Eye Damage/Irritation:** Causes eye irritation.

**pH:** 5.6 - 6

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Suspected of causing cancer.

|                                            |                                               |
|--------------------------------------------|-----------------------------------------------|
| <b>Coconut diethanolamide (68603-42-9)</b> |                                               |
| IARC group                                 | 2B                                            |
| OSHA Hazard Communication Carcinogen List  | In OSHA Hazard Communication Carcinogen list. |
| <b>Diethanolamine (111-42-2)</b>           |                                               |
| IARC group                                 | 2B                                            |
| OSHA Hazard Communication Carcinogen List  | In OSHA Hazard Communication Carcinogen list. |

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

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**Symptoms/Injuries After Inhalation:** Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Toxic to aquatic life with long lasting effects.

|                                                                                                                                |                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Isopropyl myristate (110-27-0)</b>                                                                                          |                                                                                             |
| LC50 Fish 1                                                                                                                    | 8400 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])                  |
| EC50 Daphnia 1                                                                                                                 | 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                     |
| LC 50 Fish 2                                                                                                                   | 8400 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)                                |
| <b>Sodium chloride (7647-14-5)</b>                                                                                             |                                                                                             |
| LC50 Fish 1                                                                                                                    | 5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through]) |
| EC50 Daphnia 1                                                                                                                 | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                    |
| LC 50 Fish 2                                                                                                                   | 12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])                    |
| EC50 Daphnia 2                                                                                                                 | 340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])          |
| <b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b> |                                                                                             |
| LC50 Fish 1                                                                                                                    | 1 (1.0 - 10.0) mg/l (Exposure time: 96 h - Species: Brachydanio rerio)                      |
| EC50 Daphnia 1                                                                                                                 | 6.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                     |
| EC50 Other Aquatic Organisms 1                                                                                                 | 1 (1.0 - 10.0) mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)                |
| LC 50 Fish 2                                                                                                                   | 2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])                     |
| <b>Tetrasodium EDTA (64-02-8)</b>                                                                                              |                                                                                             |
| LC50 Fish 1                                                                                                                    | 486 (Exposure time: 96h - Species: Lepomis macrochirus )                                    |
| EC50 Daphnia 1                                                                                                                 | 625 mg/l (Exposure time: 24 h - Species: Daphnia magna)                                     |
| LC 50 Fish 2                                                                                                                   | 59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])                     |
| ErC50 (algae)                                                                                                                  | 3 mg/l (exposure time: 96 h - Species: Green Algae)                                         |
| <b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)</b>                                  |                                                                                             |
| EC50 Daphnia 1                                                                                                                 | 3.12 mg/l                                                                                   |
| EC50 Other Aquatic Organisms 1                                                                                                 | 3.12 (2.43 - 4.01) mg/l (Species Ceriodaphnia, exposure time: 48 hr)                        |
| <b>Coconut diethanolamide (68603-42-9)</b>                                                                                     |                                                                                             |
| LC50 Fish 1                                                                                                                    | 3.6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])                   |
| EC50 Daphnia 1                                                                                                                 | 2.15 mg/l (Exposure time: 48 h - Species: Daphnia pulex [Static])                           |
| ErC50 (algae)                                                                                                                  | 2.2 mg/l (Exposure time: 72 h - Species: Scenedesmus subspicatus)                           |
| <b>Diethanolamine (111-42-2)</b>                                                                                               |                                                                                             |
| LC50 Fish 1                                                                                                                    | 4460 (4460 - 4980) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1                                                                                                                 | 55 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                      |
| LC 50 Fish 2                                                                                                                   | 1200 (1200 - 1580) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])       |
| EC50 Other Aquatic Organisms 2                                                                                                 | 2.1 (2.1 - 2.3) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)       |
| ErC50 (algae)                                                                                                                  | 2.2 mg/l (Exposure time: 96 h - Species: Pseudokirchnerella subcapitata [Static])           |
| NOEC chronic crustacea                                                                                                         | 0.78 mg/l                                                                                   |

### 12.2. Persistence and Degradability

|                                      |                                                         |
|--------------------------------------|---------------------------------------------------------|
| <b>SoftCIDE</b>                      |                                                         |
| <b>Persistence and Degradability</b> | May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative Potential

|                                       |                  |
|---------------------------------------|------------------|
| <b>SoftCIDE</b>                       |                  |
| <b>Bioaccumulative Potential</b>      | Not established. |
| <b>Isopropyl myristate (110-27-0)</b> |                  |
| <b>Log Pow</b>                        | > 6              |

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|                                    |                                   |
|------------------------------------|-----------------------------------|
| <b>Sodium chloride (7647-14-5)</b> |                                   |
| <b>BCF fish 1</b>                  | (no bioaccumulation)              |
| <b>Tetrasodium EDTA (64-02-8)</b>  |                                   |
| <b>Log Pow</b>                     | 5.01 (calculated)                 |
| <b>Diethanolamine (111-42-2)</b>   |                                   |
| <b>BCF fish 1</b>                  | (no significant bioconcentration) |
| <b>Log Pow</b>                     | -2.18 (at 25 °C)                  |

### 12.4. Mobility in Soil

|                                                                                                                                |     |
|--------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b> |     |
| <b>Log Koc</b>                                                                                                                 | 2.8 |

### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. In Accordance with DOT

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt and 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts)

**Hazard Class** : 9

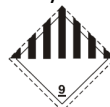
**Identification Number** : UN3082

**Label Codes** : 9

**Packing Group** : III

**Marine Pollutant** : Marine pollutant

**ERG Number** : 171



### 14.2. In Accordance with IMDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt and 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts)

**Hazard Class** : 9

**Identification Number** : UN3082

**Packing Group** : III

**Label Codes** : 9

**EmS-No. (Fire)** : F-A

**EmS-No. (Spillage)** : S-F

**Marine Pollutant** : Marine pollutant



### 14.3. In Accordance with IATA

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt and 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts)

**Packing Group** : III

**Identification Number** : UN3082

**Hazard Class** : 9

**Label Codes** : 9

**ERG Code (IATA)** : 9L



## SECTION 15: REGULATORY INFORMATION

### 15.1 US Federal Regulations

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| <b>SoftCIDE</b>                            |                                 |
| <b>SARA Section 311/312 Hazard Classes</b> | Immediate (acute) health hazard |

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|                                                                                                                                            |                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Delayed (chronic) health hazard                                                                                                                                                                                        |
| <b>Water (7732-18-5)</b>                                                                                                                   |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Isopropyl myristate (110-27-0)</b>                                                                                                      |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Oils, walnut (8024-09-7)</b>                                                                                                            |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>EPA TSCA Regulatory Flag</b>                                                                                                            | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |
| <b>Olive oil (8001-25-0)</b>                                                                                                               |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Rice bran oil (68553-81-1)</b>                                                                                                          |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Linolenic acid (463-40-1)</b>                                                                                                           |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Vitamin E (1406-18-4)</b>                                                                                                               |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Benzoic acid, C12-15-alkyl esters (68411-27-8)</b>                                                                                      |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Polyoxyethylene sorbitan monolaurate (9005-64-5)</b>                                                                                    |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Sodium chloride (7647-14-5)</b>                                                                                                         |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b>             |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>SARA Section 311/312 Hazard Classes</b>                                                                                                 | Immediate (acute) health hazard                                                                                                                                                                                        |
| <b>Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt (137-16-6)</b>                                                                         |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Cellulose, ether with .alpha.-[2-hydroxy-3-(trimethylammonio)propyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), chloride (68610-92-4)</b> |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Allantoin (97-59-6)</b>                                                                                                                 |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Tetrasodium EDTA (64-02-8)</b>                                                                                                          |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4)</b>                                              |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Diethanolamide of linoleic acid (56863-02-6)</b>                                                                                        |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Coconut diethanolamide (68603-42-9)</b>                                                                                                 |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| <b>Diethanolamine (111-42-2)</b>                                                                                                           |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |
| Listed on United States SARA Section 313                                                                                                   |                                                                                                                                                                                                                        |
| <b>SARA Section 313 - Emission Reporting</b>                                                                                               | 1.0 %                                                                                                                                                                                                                  |
| <b>Propanoic acid, 2-hydroxy-, monosodium salt, (S)- (867-56-1)</b>                                                                        |                                                                                                                                                                                                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                                                                  |                                                                                                                                                                                                                        |

## 15.2 US State Regulations

|                                                              |                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------|
| <b>Coconut diethanolamide (68603-42-9)</b>                   |                                                                |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b> | WARNING: This product contains chemicals known to the State of |

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|                                                                       |                                                                                            |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|                                                                       | California to cause cancer.                                                                |
| <b>Diethanolamine (111-42-2)</b>                                      |                                                                                            |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b>          | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| <b>Diethanolamine (111-42-2)</b>                                      |                                                                                            |
| U.S. - Massachusetts - Right To Know List                             |                                                                                            |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |                                                                                            |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |                                                                                            |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |                                                                                            |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

|                          |                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Revision Date</b>     | : 07/21/2015                                                                                                                          |
| <b>Other Information</b> | : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. |

### GHS Full Text Phrases:

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2                  |
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal) Category 3                                |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral) Category 4                                  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment - Acute Hazard Category 1    |
| Aquatic Acute 2                     | Hazardous to the aquatic environment - Acute Hazard Category 2    |
| Aquatic Acute 3                     | Hazardous to the aquatic environment - Acute Hazard Category 3    |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment - Chronic Hazard Category 2  |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment - Chronic Hazard Category 3  |
| Carc. 2                             | Carcinogenicity Category 2                                        |
| Comb. Dust                          | Combustible Dust                                                  |
| Eye Dam. 1                          | Serious eye damage/eye irritation Category 1                      |
| Eye Irrit. 2A                       | Serious eye damage/eye irritation Category 2A                     |
| Eye Irrit. 2B                       | Serious eye damage/eye irritation Category 2B                     |
| Flam. Liq. 3                        | Flammable liquids Category 3                                      |
| Flam. Sol. 2                        | Flammable solids Category 2                                       |
| Repr. 2                             | Reproductive toxicity Category 2                                  |
| Skin Irrit. 2                       | Skin corrosion/irritation Category 2                              |
| Skin Sens. 1                        | Skin sensitization Category 1                                     |
| STOT RE 2                           | Specific target organ toxicity (repeated exposure) Category 2     |
| H226                                | Flammable liquid and vapor                                        |
| H228                                | Flammable solid                                                   |
|                                     | May form combustible dust concentrations in air                   |
| H302                                | Harmful if swallowed                                              |
| H311                                | Toxic in contact with skin                                        |
| H315                                | Causes skin irritation                                            |
| H317                                | May cause an allergic skin reaction                               |
| H318                                | Causes serious eye damage                                         |
| H319                                | Causes serious eye irritation                                     |
| H320                                | Causes eye irritation                                             |
| H330                                | Fatal if inhaled                                                  |
| H332                                | Harmful if inhaled                                                |
| H351                                | Suspected of causing cancer                                       |
| H361                                | Suspected of damaging fertility or the unborn child               |
| H373                                | May cause damage to organs through prolonged or repeated exposure |
| H400                                | Very toxic to aquatic life                                        |
| H401                                | Toxic to aquatic life                                             |

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|      |                                                   |
|------|---------------------------------------------------|
| H402 | Harmful to aquatic life                           |
| H411 | Toxic to aquatic life with long lasting effects   |
| H412 | Harmful to aquatic life with long lasting effects |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)