**POLAR-COOL LT SE BLUE**

##  Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifier

|  |  |  |
| --- | --- | --- |
| Product name | : | **POLAR-COOL LT SE BLUE** |
| Formula | : | 22212 |

* 1. **Relevant identified uses of the substance or mixture and uses advised against**
	2. **Details of the supplier of the safety data sheet**

**DETERCO, INC.**

**6633 POLK STREET**

**HOUSTON, TX 77011**

**T (713) 943-2721 - F 713-943-3170**

#### Emergency telephone number

Emergency number : 800-424-9300

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

**Classification (GHS-US)**

Fatal if swal. H305 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317

Full text of H-phrases: see section 16

#### Label elements GHS-US labeling

Hazard pictograms (GHS-US) :

GHS05 GHS07 GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H305 - May be fatal if swallowed or enters airways H315 - Causes skin irritation

H317 - May cause an allergic skin reaction H318 - Causes serious eye damage

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat. - No smoking

P261 - Avoid breathing vapors

P264 - Wash hands thoroughly after handling

P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear personal protective equipment

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 P310 - Immediately call doctor

P321 - Specific treatment (see first aid measures on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash it before reuse P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use appropriate media to extinguish P403+P235 - Store in a well-ventilated place. Keep cool

06/03/2015 EN (English US) Page 1

P405 - Store locked up

P501 - Dispose of contents/container to meet all regulations

#### Other hazards

No additional information available

#### Unknown acute toxicity (GHS-US)

3.4 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

8.61 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

### SECTION 3: Composition/information on ingredients

#### Substance

Not applicable

#### Mixture

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Product identifier** | **%** | **Classification (GHS-US)** |
| Distillates, petroleum, hydrotreated heavy naphthenic | (CAS No) 64742-52-5 | <= 10 | May be fatal if swallowed or enters airways |
| Ethanolamine | (CAS No) 141-43-5 | 1 - 3 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 |
| DIBUTYL ETHANOLAMINE | (CAS No) 102-81-8 | 0.99 - 2.97 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 |
| 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol | (CAS No) 4719-04-4 | 0.785 - 2.355 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 |
| POTASSIUM HYDROXIDE | (CAS No) 1310-58-3 | 0.45 - 1.35 | Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 |
| 3-Iodo-2-propynyl butylcarbamate | (CAS No) 55406-53-6 | <= 0.15 | Acute Tox. 4 (Oral), H302Acute Tox. 3 (Inhalation:dust,mist), H331 Eye Dam. 1, H318Skin Sens. 1, H317 STOT RE 1, H372Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 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 | : | Allow victim to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : | Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention. Specific treatment (see first aid measures on this label). If skin irritation or rash occurs: call doctor. |
| First-aid measures after eye contact | : | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| First-aid measures after ingestion | : | Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

* 1. **Most important symptoms and effects, both acute and delayed**

|  |  |  |
| --- | --- | --- |
| Symptoms/injuries after inhalation | : | May cause an allergic skin reaction. |
| Symptoms/injuries after skin contact | : | Causes skin irritation. |
| Symptoms/injuries after eye contact | : | Causes serious eye damage. |

* 1. **Indication of any immediate medical attention and special treatment needed**

No additional information available

### SECTION 5: Firefighting measures

#### Extinguishing media

|  |  |  |
| --- | --- | --- |
| Suitable extinguishing media | : | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream. |

* 1. **Special hazards arising from the substance or mixture**

|  |  |  |
| --- | --- | --- |
| Fire hazard | : | Combustible liquid. |
| Explosion hazard | : | May form flammable/explosive vapor-air mixture. |

|  |  |  |
| --- | --- | --- |
| **5.3. Advice for firefighters**Firefighting instructions | : | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : | Do not enter fire area without proper protective equipment, including respiratory protection. |

**SECTION 6: Accidental release measures**

* 1. **Personal precautions, protective equipment and emergency procedures**

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Equip cleanup crew with proper protection. |
| Emergency procedures | : | Ventilate area. |

* 1. **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### Precautions for safe handling

|  |  |  |
| --- | --- | --- |
| Additional hazards when processed | : | Handle empty containers with care because residual vapors are flammable. Keep away from heat. - No smoking. |
| Precautions for safe handling | : | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Avoid breathing vapours. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. |
| Hygiene measures | : | Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. |

* 1. **Conditions for safe storage, including any incompatibilities**

|  |  |  |
| --- | --- | --- |
| Technical measures | : | Proper grounding procedures to avoid static electricity should be followed. |
| Storage conditions | : | Keep only in the original container in a cool, well ventilated place away from: heat. Keep container closed when not in use. Keep in fireproof place. |
| Incompatible products | : | Strong bases. Strong acids. |
| Incompatible materials | : | Sources of ignition. Direct sunlight. Heat sources. |

* 1. **Specific end use(s)**

No additional information available

### SECTION 8: Exposure controls/personal protection

#### Control parameters

|  |  |
| --- | --- |
|  **POLAR-COOL LT SE BLUE** |  |
| ACGIH | Not applicable |
| OSHA | Not applicable |

|  |
| --- |
| **Ethanolamine (141-43-5)** |
| ACGIH | ACGIH TWA (ppm) | 3 ppm |
| ACGIH | ACGIH STEL (ppm) | 6 ppm |
| OSHA | OSHA PEL (TWA) (mg/m³) | 6 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 3 ppm |

|  |
| --- |
| **1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)** |
| ACGIH | Not applicable |
| OSHA | Not applicable |

|  |
| --- |
| **POTASSIUM HYDROXIDE (1310-58-3)** |
| ACGIH | Not applicable |
| OSHA | Not applicable |

|  |
| --- |
| **DIBUTYL ETHANOLAMINE (102-81-8)** |
| ACGIH | ACGIH TWA (mg/m³) | < |
| ACGIH | ACGIH TWA (ppm) | 0.50 ppm |
| ACGIH | Remark (ACGIH) | Eye & URT irr |
| OSHA | Not applicable |

|  |
| --- |
| **Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)** |
| ACGIH | Not applicable |
| OSHA | Not applicable |

|  |
| --- |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |
| ACGIH | Not applicable |
| OSHA | Not applicable |

* 1. **Exposure controls**

|  |  |  |
| --- | --- | --- |
| Personal protective equipment | : | Avoid all unnecessary exposure. |
| Hand protection | : | Wear protective gloves. |
| Eye protection | : | Chemical goggles or safety glasses. |
| Skin and body protection | : | Wear suitable protective clothing. |
| Respiratory protection | : | Wear appropriate mask. |
| Other information | : | Do not eat, drink or smoke during use. |

**SECTION 9: Physical and chemical properties**

* 1. **Information on basic physical and chemical properties**

|  |  |  |
| --- | --- | --- |
| Physical state | : | Moderately thin liquid |
| Color | : | Clear blue |
| Odor | : | Mild sassafras odor |
| pH concentrate | : | 10.00 +/- 0.25 |
| pH 5% dilution w/ water | : | 9.5 +/- 0.25 |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | ~32 °F |
| Boiling point | : | ~212 °F |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Vapor pressure | : | < 0.01 |
| Relative vapor density at 20 °C | : | < 0.01 mm Hg at 20°C |
| Relative density | : | No data available |
| Specific gravity / density | : | 1.008 g/mL (8.4 Lbs./gallon) |

Solubility : 100% soluble in water

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosive limits : No data available

#### Other information

No additional information available

### SECTION 10: Stability and reactivity

#### Reactivity

No additional information available

#### Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture.

#### Possibility of hazardous reactions

Not established.

#### Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### Incompatible materials

Strong acids. Strong bases.

#### Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

|  |  |
| --- | --- |
| **Ethanolamine (141-43-5)** |  |
| LD50 oral rat | 1720 mg/kg |
| LD50 dermal rabbit | 1000 mg/kg |
| ATE US (oral) | 1720.000 mg/kg body weight |
| ATE US (dermal) | 1000.000 mg/kg body weight |
| ATE US (gases) | 4500.000 ppmV/4h |
| ATE US (dust, mist) | 1.500 mg/l/4h |
| **1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)** |
| LD50 oral rat | 763 mg/kg |
| ATE US (oral) | 763.000 mg/kg body weight |
| **POTASSIUM HYDROXIDE (1310-58-3)** |
| LD50 oral rat | 1.23 g/kg |
| ATE US (oral) | 1230.000 mg/kg body weight |
| **DIBUTYL ETHANOLAMINE (102-81-8)** |
| LD50 oral rat | 1070 |
| LD50 dermal rabbit | 1440 |
| LC50 inhalation rat (mg/l) | > 0.41 |
| ATE US (oral) | 1070.000 mg/kg body weight |
| ATE US (dermal) | 1440.000 mg/kg body weight |

|  |
| --- |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |
| LD50 oral rat | 1100 mg/kg |
| ATE US (oral) | 1100.000 mg/kg body weight |
| ATE US (dust, mist) | 0.500 mg/l/4h |
| Skin corrosion/irritation | : | Causes skin irritation. |
| Serious eye damage/irritation | : | Causes serious eye damage. |
| Respiratory or skin sensitization | : | May cause an allergic skin reaction. |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |

|  |  |  |
| --- | --- | --- |
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |

Specific target organ toxicity (repeated exposure)

: Not classified

|  |  |  |
| --- | --- | --- |
| Aspiration hazard | : | Not classified |
| Potential Adverse human health effects and symptoms | : | Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation | : | May cause an allergic skin reaction. |
| Symptoms/injuries after skin contact | : | Causes skin irritation. |
| Symptoms/injuries after eye contact | : | Causes serious eye damage. |

### SECTION 12: Ecological information

#### Toxicity

|  |
| --- |
| **Ethanolamine (141-43-5)** |
| LC50 fish 1 | 227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 65 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | 3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static]) |

|  |
| --- |
| **Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)** |
| LC50 fish 1 | > 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |
| LC50 fish 1 | 0.14 - 0.32 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through]) |
| LC50 fish 2 | 0.049 - 0.079 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |

* 1. **Persistence and degradability**

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| --- |
|  **POLAR-COOL LT SE BLUE** |
| Persistence and degradability | Not established. |

|  |
| --- |
| **1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)** |
| Persistence and degradability | Not established. |

|  |
| --- |
| **POTASSIUM HYDROXIDE (1310-58-3)** |
| Persistence and degradability | Not established. |

|  |
| --- |
| **DIBUTYL ETHANOLAMINE (102-81-8)** |
| Persistence and degradability | Not established. |

|  |
| --- |
| **Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)** |
| Persistence and degradability | Not established. |

|  |
| --- |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |
| Persistence and degradability | Not established. |

* 1. **Bioaccumulative potential**

|  |
| --- |
|  **POLAR-COOL LT SE BLUE** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **Ethanolamine (141-43-5)** |
| Log Pow | -1.91 (at 25 °C) |

|  |
| --- |
| **1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **POTASSIUM HYDROXIDE (1310-58-3)** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **DIBUTYL ETHANOLAMINE (102-81-8)** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |
| Bioaccumulative potential | Not established. |

* 1. **Mobility in soil**

No additional information available

#### Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |  |  |
| --- | --- | --- |
| Waste disposal recommendations | : | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to meet all regulations. |
| Additional information | : | Handle empty containers with care because residual vapors are flammable. |
| Ecology - waste materials | : | Avoid release to the environment. |

**SECTION 14: Transport information**

In accordance with DOT Not evaluated **Additional information**

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### US Federal regulations

**Ethanolamine (141-43-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|  |
| --- |
| **1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)** |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| **POTASSIUM HYDROXIDE (1310-58-3)** |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Not listed on the United States SARA Section 313 |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|  |  |
| --- | --- |
| **3-Iodo-2-propynyl butylcarbamate (55406-53-6)** |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313 |
| SARA Section 313 - Emission Reporting | 1.0 % |

* 1. **International regulations CANADA**

**3-Iodo-2-propynyl butylcarbamate (55406-53-6)**

Listed on the Canadian DSL (Domestic Sustances List)

Listed on the Canadian DSL (Domestic Sustances List)

**Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)**

|  |  |
| --- | --- |
| **Ethanolamine (141-43-5)** |  |
| Listed on the Canadian DSL (Domestic Sustances List) |
| WHMIS Classification | Class B Division 3 - Combustible LiquidClass E - Corrosive Material |

**Ethanolamine (141-43-5)**

**1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)**

**Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)**

Listed on the Canadian DSL (Domestic Sustances List)

**EU-Regulations**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)**

**Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

**3-Iodo-2-propynyl butylcarbamate (55406-53-6)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Not classified

#### 15.2.2. National regulations

**Ethanolamine (141-43-5)**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Poisonous and Deleterious Substances Control Law

Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on INSQ (Mexican national Inventory of Chemical Substances) Listed on Turkish inventory of chemical

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Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

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**1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4)**

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**Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

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Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

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#### US State regulations

**Ethanolamine (141-43-5)**

**3-Iodo-2-propynyl butylcarbamate (55406-53-6)**

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

**SECTION 16: Other information**

Other information : None.

**3-Iodo-2-propynyl butylcarbamate (55406-53-6)**

**POTASSIUM HYDROXIDE (1310-58-3)**

|  |
| --- |
| Full text of H-phrases: |
| ------ | Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| ------ | Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| ------ | Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| ------ | Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4 |
| ------ | Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| ------ | Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| ------ | Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| ------ | Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| ------ | Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| ------ | Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| ------ | Skin Sens. 1 | Skin sensitization Category 1 |
| ------ | STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| ------ | H302 | Harmful if swallowed |
| ------ | H305 | May be fatal if swallowed or enters airways |
| ------ | H311 | Toxic in contact with skin |
| ------ | H312 | Harmful in contact with skin |
| ------ | H314 | Causes severe skin burns and eye damage |
| ------ | H315 | Causes skin irritation |
| ------ | H317 | May cause an allergic skin reaction |
| ------ | H318 | Causes serious eye damage |
| ------ | H331 | Toxic if inhaled |
| ------ | H332 | Harmful if inhaled |
| ------ | H372 | Causes damage to organs through prolonged or repeated exposure |
| ------ | H400 | Very toxic to aquatic life |
| ------ | H410 | Very toxic to aquatic life with long lasting effects |

GHS US SDS

*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*