#  DetercoLogo5 copy

#  POLAR-COOL HD 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 HD SE BLUE BLUE** |
| Formula | : | 80613 |

* 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, TEXAS 77011**

 **T (713) 943-2721 - F 713-943-3100**

#### Emergency telephone number

Emergency number : 800-424-9300

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

**Classification (GHS-US)**

Skin Corr. 1B H314 Skin Sens. 1 H317

Full text of H-phrases: see section 16

#### Label elements GHS-US labeling

Hazard pictograms (GHS-US) :

GHS07 GHS05

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US) : P210 - Keep away from ignition sources. - No smoking

P233 - Keep container tightly closed P260 - Do not breathe vapors

P261 - Avoid breathing spray

P264 - Wash hands thoroughly after handling

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

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P302+P352 - If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call doctor

P321 - Specific treatment (see first aid measures on this label) P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse

P370+P378 - In case of fire: Use water to extinguish P403+P235 - Store in a well-ventilated place. Keep cool

06/08/2015 EN (English US)

P405 - Store locked up

P501 - Dispose of contents/container to meet all regulations

#### Other hazards

No additional information available

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

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

21.93 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)** |
| ISOPROPANOLAMINE | (CAS No) 78-96-6 | 3 - 5 | Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 |
| 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol | (CAS No) 4719-04-4 | 2.355 - 3.925 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 |
| DIBUTYL ETHANOLAMINE | (CAS No) 102-81-8 | 0.99 - 2.97 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 |
| 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 | : | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. |
| First-aid measures after skin contact | : | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see first aid measures on this label). Wash contaminated clothing before reuse. |
| 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. Immediately call a poison center or doctor/physician. |

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

|  |  |  |
| --- | --- | --- |
| Symptoms/injuries | : | Causes severe skin burns and eye damage. |
| Symptoms/injuries after inhalation | : | May cause an allergic skin reaction. |

* 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 | : | Not classified |
| Explosion hazard | : | May form flammable/explosive vapor-air mixture. |
| Reactivity | : | Corrosive vapors. |

|  |  |  |
| --- | --- | --- |
| **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. |
| 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. Take precautionary measures against static discharge. Use only non-sparking tools. Do not breathe vapours. Avoid breathing mist. |
| Hygiene measures | : | Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. |

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

|  |  |  |
| --- | --- | --- |
| Technical measures | : | Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/… equipment. Comply with applicable regulations. |
| Storage conditions | : | Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed. |
| 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

|  |
| --- |
| **DYNA HD SE BLUE** |
| ACGIH | Not applicable |
| OSHA | Not applicable |

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

|  |
| --- |
| **ISOPROPANOLAMINE (78-96-6)** |
| ACGIH | Not applicable |  |
| OSHA | Not applicable |  |
| 06/08/2015 | EN (English US) | 3/ | 8 |

|  |
| --- |
| **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 |

|  |
| --- |
| **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 face shield. |
| 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 | : | Clear liquid |
| Color | : | Clear blue liquid |
| Odor | : | Mild petroleum odor. |
| pH | : | 9.50 +/- 0.20 |
| pH 5% diluted in water | : | 9.30 +/- 0.20. |
| 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 |
| Physical state | : | Moderate thin liquid. |
| Flammability (solid, gas) | : | No data available |
| Evaporation rate | : | < 0.01 |
| Relative vapor density at 20 °C | : | <0.01 mm Hg at 20°C |
| Specific gravity | : | 0.996 g/mL (8.3 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 |

* 1. **Other information**

No additional information available

### SECTION 10: Stability and reactivity

#### Reactivity

Corrosive vapors.

#### Chemical stability

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. Thermal decomposition generates : Corrosive vapors.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

|  |
| --- |
| **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 |
| **ISOPROPANOLAMINE (78-96-6)** |  |  |
| LD50 oral rat | 2098 mg/kg |
| LD50 dermal rabbit | 1560 mg/kg |
| ATE US (oral) | 2098.000 mg/kg body weight |
| ATE US (dermal) | 1560.000 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 severe skin burns and eye damage. |
| Serious eye damage/irritation | : | Not classified |
| 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.

### SECTION 12: Ecological information

#### Toxicity

|  |
| --- |
| **ISOPROPANOLAMINE (78-96-6)** |
| LC50 fish 1 | 2390 - 2650 mg/l Pimephales Promelas |
| EC50 Daphnia 1 | 108.82 g/l Daphania magna Straus 48 hours |
| EC50 other aquatic organisms 1 | 23 g/l Desmodedmus 72 hours |

|  |
| --- |
| **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 HD SE BLUE** |
| Persistence and degradability | Not established. |

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

|  |
| --- |
| **ISOPROPANOLAMINE (78-96-6)** |
| Persistence and degradability | Not established. |

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

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

* 1. **Bioaccumulative potential**

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

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

|  |
| --- |
| **ISOPROPANOLAMINE (78-96-6)** |
| Bioaccumulative potential | Not established. |

|  |
| --- |
| **DIBUTYL ETHANOLAMINE (102-81-8)** |
| 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

|  |
| --- |
| **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. |

|  |  |
| --- | --- |
| **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**

Listed on the Canadian DSL (Domestic Sustances List)

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

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

**EU-Regulations**

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

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

Listed on the Canadian DSL (Domestic Sustances List)

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)**

Not classified

#### 15.2.2. National regulations

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

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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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

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

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)**

|  |
| --- |
| Full text of H-phrases: |
| ------ | 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 (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. 1B | Skin corrosion/irritation Category 1B |
| ------ | Skin Sens. 1 | Skin sensitization Category 1 |
| ------ | STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| ------ | H302 | Harmful if swallowed |
| ------ | H312 | Harmful in contact with skin |
| ------ | H314 | Causes severe skin burns and eye damage |
| ------ | H317 | May cause an allergic skin reaction |
| ------ | H318 | Causes serious eye damage |
| ------ | H331 | Toxic 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*