



Crest-Lac Clear

Safety Data Sheet

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

Date of issue: 18 January 2019

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Crest-Lac Clear

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Archery Cresting Paint

1.3. Supplier

Manufacturer:

Bohning Company Ltd.
7361 North Seven Mile Road
Lake City, MI 49651
Tel: 231-229-4247

1.4. Emergency telephone number

Emergency number : HAZMAT +1-800-373-7542 (24 hours)
HAZMAT (International Shipments) +1-484-951-2432 (24 hours)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin sensitisation, Category 1 H317 May cause an allergic skin reaction

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS-US) : P261 - Avoid breathing fume, mist, spray, vapors
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective clothing, protective gloves, eye protection
P302+P352 - If on skin: Wash with plenty of water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|---|---------------------|------------|-----------------------|
| Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol | (CAS-No.) 9014-85-1 | 1 - 7 | Eye Irrit. 2, H319 |
| Silane, diethoxymethyl[3-(oxiranylmethoxy)propyl]- | (CAS-No.) 2897-60-1 | 0.1 - 0.5 | Skin Sens. 1, H317 |
| 2-Pyrrolidinone, 1-octyl- | (CAS-No.) 2687-94-7 | 0.05 - 0.1 | Skin Corr. 1B, H314 |

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Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : Prolonged exposure to liquid may cause a mild irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Prolonged contact may cause slight irritation.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause stomach pain or discomfort.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

- Fire hazard : Minimal fire hazard. Combustion may produce irritating fumes.
- Explosion hazard : None known.
- Reactivity : Stable under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

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

6.2. Environmental precautions

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

6.3. 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.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For disposal of residues refer to section 13 : Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Avoid breathing fume/mist/vapors/spray.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

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7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---|
| Storage conditions | : Keep only in the original container in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use. |
| Incompatible materials | : Strong oxidizing agents. Strong acid. Strong bases. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Pyrrolidinone, 1-octyl- (2687-94-7)

Not applicable

Silane, diethoxymethyl[3-(oxiranymethoxy)propyl]- (2897-60-1)

Not applicable

Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol (9014-85-1)

Not applicable

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize vapor concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
|----------------------------------|--|

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Impervious gloves e.g. PVC, nitrile rubber, butyl rubber

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator if necessary.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-----------------------------|
| Physical state | : Liquid |
| Color | : Opaque, clear |
| Odor | : Mild odor, characteristic |
| Odor threshold | : No data available |
| pH | : 7.5 - 8.5 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : > 100 °C |
| Flash point | : > 100 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : Slower than ether |
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : Water: dilutable |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |

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| | |
|---------------------------|---------------------|
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Combustion may produce irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--|--|
| Likely routes of exposure | : Ingestion; Inhalation; Skin and Eye contact |
| Acute toxicity | : Not classified |
| Skin corrosion/irritation | : Not classified pH: 7.5 - 8.5 |
| Serious eye damage/irritation | : Not classified pH: 7.5 - 8.5 |
| Respiratory or skin sensitisation | : 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 |
| Symptoms/effects after inhalation | : Prolonged exposure to liquid may cause a mild irritation. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Prolonged contact may cause slight irritation. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. May cause stomach pain or discomfort. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|--|
| Ecology - general | : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
|-------------------|--|

12.2. Persistence and degradability

| | |
|-------------------------------|------------------|
| Crest-Lac Clear | |
| Persistence and degradability | Not established. |

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12.3. Bioaccumulative potential

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| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| | |
|--------------------------|---------------------------------------|
| Effect on global warming | : No known effects from this product. |
| GWPmix comment | : No known effects from this product. |
| Other information | : Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to comply with applicable local, national and international regulation. |
| Ecology - waste materials | : Avoid release to the environment. |

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

2-Pyrrolidinone, 1-octyl- (2687-94-7)

Listed on the Canadian DSL (Domestic Substances List)

Silane, diethoxymethyl[3-(oxiranylethoxy)propyl]- (2897-60-1)

Listed on the Canadian DSL (Domestic Substances List)

Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol (9014-85-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

2-Pyrrolidinone, 1-octyl- (2687-94-7)

Listed on ELINCS (European List of Notified Chemical Substances)

Silane, diethoxymethyl[3-(oxiranylethoxy)propyl]- (2897-60-1)

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

Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol (9014-85-1)

Listed on the EU NLP (No Longer Polymers) inventory

National regulations

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2-Pyrrolidinone, 1-octyl- (2687-94-7)

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 NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on Turkish inventory of chemical
Listed on the TCSI (Taiwan Chemical Substance Inventory)

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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)
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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Date of Issue : 14 March 2017

Other information : None.

Full text of H-statements:

| | |
|------|---|
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H411 | Toxic to aquatic life with long lasting effects |

Abbreviations and acronyms:

| | |
|-----|--------------------|
| PVC | Polyvinyl chloride |
|-----|--------------------|

SDS US (GHS HazCom 2012)

The conditions of handling, storage, use and disposal of the product covered by this SDS are beyond the control and knowledge of Bohning Archery. Therefore we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This SDS meets the requirements specified in 29 CFR 1910.1200. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product