

## Safety-related information for products

### 1. Identification

<b>Product identifier:</b>	CYROLON®, CYROLON® UV2 and CYROLON® MR7
<b>Chemical name:</b>	Polycarbonate (PC)
<b>Other means of identification</b>	None.
<b>Recommended use:</b>	Not available.
<b>Recommended restrictions:</b>	None known.

#### Manufacturer/Importer/Distributor Information

CompanyName	:	Roehm America LLC 299 Jefferson Road Parsippany, NJ 07054 USA
Telephone	:	+1 800-225-0172
E-mail	:	product-regulatory-services@roehm.com
<b>Emergency telephone number:</b> 24-Hour Health Emergency	:	+1 800 424 9300 (CHEMTREC - US & CANADA) +1 703 527 3887 (CHEMTREC WORLD)

### 2. Hazard(s) identification

**Hazard Classification** Not classified

#### Label Elements

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable

#### Precautionary Statements

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

**Chemical name:**

Polycarbonate (PC)

**Mixtures**

**Composition Comments:** The components are not hazardous or are below required disclosure limits. Polycarbonate on the basis of bisphenol A

**4. First-aid measures**

**Description of necessary first-aid measures**

**General information:** No special precautions. In the event of burns caused by hot or molten material the usual first-aid measures have to be applied. Product dust (fibres) can lead to temporary mechanical irritative effects.

**Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. In case of symptoms of irritation caused by vapours in thermal processing: Provide fresh air, seek medical advice if necessary.

**Skin Contact:** No specific treatment is necessary since this material is not likely to be hazardous.

**Eye contact:** If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)

**Ingestion:** Ingestion is not considered a potential route of exposure.

**Personal Protection for First-aid Responders:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** mechanical irritation Vapour during processing may be irritating to the respiratory tract and to the eyes.

**Hazards:** None known.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No

**5. Fire-fighting measures**

**General Fire Hazards:** Use water spray to cool containers exposed to fire.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray. foam

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards arising from the chemical:** In case of fire partly flammable, partly harmful vapours, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition. May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No special precautions.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Wear protective gloves and eye protectors.

**Accidental release measures:** For personal protection see section 8. Avoid release to the environment.

**Methods and material for containment and cleaning up:** Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.

**Environmental Precautions:** Do not release into the environment. Collect and dispose of unused residues.

### 7. Handling and storage

#### Handling

**Technical measures (e.g. Local and general ventilation):** If use operations generate dust, use adequate ventilation.

**Safe handling advice:** Avoid dust formation. During thermal processing and/or machining local exhaust ventilation at processing machines is necessary. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product. Take action to prevent static discharges. In the event of fire, cool the endangered product with water.

**Contact avoidance measures:** No data available.

**Hygiene measures:** Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

#### Storage

**Safe storage conditions:** Storage: dry.

**Safe packaging materials:** No data available.

**Storage Temperature:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
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None of the components have assigned exposure limits.

**Appropriate Engineering Controls** If use operations generate dust, use adequate ventilation.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** goggles for machining operations

### Skin Protection

**Hand Protection:** Material: protective gloves against mechanical risks according to EN 388  
Additional Information: For each work-place a suitable glove type has to be selected. Additional Information: Gloves should be replaced regularly, especially after extended contact with the product.

**Skin and Body Protection:** A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

**Respiratory Protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.  
If used in accordance with the regulations: No particular protective equipment required. dust mask may be required for machining operations

**Hygiene measures:** Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Sheet
<b>Color:</b>	No data available.
<b>Odor:</b>	Slight odor
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting Point:</b>	(Softening Temperature) not determined
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive limit - upper:</b>	Not applicable

<b>Explosive limit - lower:</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Vapor density (air=1):</b>	Not applicable
<b>Density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Self Ignition Temperature:</b>	630 °C (estimated) 1,166 °F (estimated)
<b>Decomposition Temperature:</b>	This material is considered stable under specified conditions of storage, shipment and/or use.
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	Not applicable
<b>Other information</b>	
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	This material is considered stable under specified conditions of storage, shipment and/or use.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions known. Processing fumes evolved at recommended processing conditions may include trace levels of phenol, alkylphenols and diacrylcarbonates
<b>Conditions to avoid:</b>	High temperature
<b>Incompatible Materials:</b>	None reasonably foreseeable.
<b>Hazardous Decomposition Products:</b>	None when used as directed.

## 11. Toxicological information

**General information:** No toxicological tests have been conducted with the product itself. Product dust may cause temporary mechanical eye irritation.

### Information on likely routes of exposure

<b>Inhalation:</b>	Relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No specific symptoms noted.
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<b>Skin Contact:</b>	No specific symptoms noted.
<b>Eye contact:</b>	No specific symptoms noted.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

<b>Oral Product:</b>	Based on available data, the classification criteria are not met.
<b>Dermal Product:</b>	Based on available data, the classification criteria are not met.
<b>Inhalation Product:</b>	Based on available data, the classification criteria are not met.

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** Not classified

**Serious Eye Damage/Eye Irritation**

**Product:** Not Classified

**Respiratory or Skin Sensitization**

**Product:** Not Classified

**Carcinogenicity**

**Product:** no evidence for hazardous properties

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

**In vitro  
Product:** Not classified

**In vivo  
Product:** Not classified

**Reproductive toxicity**

**Product:** no evidence of reproductiontoxic properties

**Specific Target Organ Toxicity - Single Exposure**

**Product:** no evidence for hazardous properties

**Specific Target Organ Toxicity - Repeated Exposure****Product:** no evidence for hazardous properties**Aspiration Hazard****Product:** no evidence for hazardous properties**Other effects:**

The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Carefully avoid skin and eye contact and inhalation of product dust/aerosols.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data is available on the product itself.**Aquatic Invertebrates****Product:** No data is available on the product itself.**Chronic hazards to the aquatic environment:****Fish****Product:** No data is available on the product itself.**Aquatic Invertebrates****Product:** No data is available on the product itself.**Toxicity to Aquatic Plants****Product:** No data is available on the product itself.**Persistence and Degradability****Biodegradation****Product:** no specific test data available**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** no specific test data available**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: Not applicable**Mobility in soil:**

No data available.

**Other adverse effects:** The product has not been tested ecotoxicologically. Prevent substance from entering soil, natural bodies of water and sewer systems.

### 13. Disposal considerations

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:** Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

**Contaminated Packaging:** Uncontaminated packaging may be taken for recycling.

### 14. Transport information

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### 15. Regulatory information

#### US Federal Regulations

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

##### US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

##### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

##### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Not classified





**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>	1
<b>Flammability</b>	0
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

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**Further Information:** none

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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