

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: CYROLON®, CYROLON® UV2 and CYROLON® MR7

Chemical name:
Polycarbonate (PC)

Other means of identification
None.

Recommended restrictions

Recommended use: Not available.
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Roehm America LLC
299 Jefferson Road
Parsippany, NJ 07054
USA

Telephone : +1 800-225-0172

E-mail : product-regulatory-services@roehm.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency : +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)

Substances

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.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
-------------------	------	-----------------------	--------

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

Physical state:	solid
Form:	Sheet
Color:	No data available.
Odor:	Slight odor
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	(Softening Temperature) not determined
Boiling Point:	Not applicable
Flash Point:	No data available.
Evaporation Rate:	Not applicable
Flammability (solid, gas):	No data available.
Explosive limit - upper:	Not applicable
Explosive limit - lower:	Not applicable
Vapor pressure:	Not applicable
Vapor density (air=1):	Not applicable
Density:	No data available.
Relative density:	No data available.
Solubility in Water:	Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Self Ignition Temperature:	630 °C (estimated) 1,166 °F (estimated)
Decomposition Temperature:	This material is considered stable under specified conditions of storage, shipment and/or use.
Kinematic viscosity:	No data available.
Dynamic viscosity:	Not applicable
Other information	
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions"
Chemical Stability:	This material is considered stable under specified conditions of storage, shipment and/or use.
Possibility of hazardous reactions:	No hazardous reactions known. Processing fumes evolved at recommended processing conditions may include trace levels of phenol, alkylphenols and diacrylcarbonates
Conditions to avoid:	High temperature

Incompatible Materials: None reasonably foreseeable.

Hazardous Decomposition Products: 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

Inhalation: Relevant route of exposure. Information on effects are given below.

Skin Contact: Relevant route of exposure. Information on effects are given below.

Eye contact: Relevant route of exposure. Information on effects are given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific symptoms noted.

Skin Contact: No specific symptoms noted.

Eye contact: No specific symptoms noted.

Ingestion: 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)

Oral

Product: Based on available data, the classification criteria are not met.

Dermal

Product: Based on available data, the classification criteria are not met.

Inhalation

Product: 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

US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)

Not regulated.

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

Health	1
Flammability	0
Physical Hazards	0
PERSONAL PROTECTION	

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

Issue Date: 04/16/2020

Version #: 1.0

Further Information: none

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

Disclaimer: This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall ROEHM assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. ROEHM EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF ROEHM IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. ROEHM reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.



TRADITIONALLY
INNOVATIVE

Version: 1.0
Revision Date: 04/16/2020
