

SAFETY DATA SHEET



Date issued : 10/19/2020
 SDS number : 11730056
 Date revised : 05/02/2023
 Revision number : 1

1. Identification

Product code: 11730056

Product description: ZAP-O XTRA PT25X 20GM (72)

Manufacturer / Supplier

Pacer Technology
 3281 E. Guasti Road, Suite 260
 Ontario, CA 91761

Emergency contact: Chemtrec

Emergency Phone: (800) 424-9300

Customer Service: (909) 987-0550

2. Hazard identification

Classification of the substance or mixture**Health hazards:**

Not Classified

Physical hazards:

Not Classified

Label elements

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

Hazards not otherwise classified: Skin contact through clothing may cause burns. Bonds skin and eyes instantly. Do not get in eyes, in mouth, or on skin.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
2-Methoxyethyl 2-cyanoacrylate	70 - 98	27816-23-5
Hydroquinone	≤ 0.1	123-31-9

4. First-aid measures

Eye: Immediately flush eyes with large quantities of water for 15 minutes, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation or bonding occurs.

Skin: Flush skin with water for several minutes. If bonded, immerse bonded areas in warm, soapy water for several minutes. Peel or roll skin or bonded material apart. Get medical attention if irritation occurs. Remove and launder clothing before re-use.

Ingestion: Flush lips with warm water to release lips if bonded. Ingestion is unlikely, though the product may stick in the mouth. Over a period of 1-2 days, the product will be loosened by saliva. Avoid swallowing the product. Get medical attention if symptoms occur.

Inhalation: Remove victim to fresh air. Get medical attention if symptoms of exposure persist.

Most important symptoms and effects, both acute and delayed

Eye: Bonds eyelids immediately.

Skin: Large quantities may react with skin and cause skin burns. May be harmful if swallowed.



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5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical extinguisher or flush with large amounts of water.

Fire fighting procedures: Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire fighting equipment: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool exposed intact containers with water spray. Contain water used in fire fighting from entering sewers or natural waterways.

Hazardous decomposition products: Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

6. Accidental release measures

Small spill: Collect material with absorbent rags (not paper towels) or wash the material down with water to solidify and scrape solid off surface. Rinse spill area with water.

Environmental precautions

Water spill: Prevent the contamination of drains, surface or subterranean waters, and the ground.

General procedures: Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

7. Handling and storage

Precautions for safe handling: Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

Conditions for safe storage: Store according to local legislation. Observe indications on the label. Store containers between 5 and 35C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidizing agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

8. Exposure controls/personal protection

Exposure controls

Control parameters			
Occupational exposure limit values			
Chemical name	Type		
	OSHA PEL	TWA	ppm
Hydroquinone			mg/m ³
			2

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical safety goggles are recommended where splashing is possible.

Skin protection - hand protection: Impervious gloves such as nitrile gloves are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

Respiratory protection: In operations where the occupational exposure limits are exceeded, and approved respirator with applicable cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

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Skin protection - other: Impervious clothing is required to prevent skin contact and contamination of personal clothing. An eye wash facility and safety shower should be available in work area.

9. Physical and chemical properties

Appearance: Liquid
Color: Transparent, colorless liquid
Odor: Characteristic odor
pH: No data available
Melting point: No data available
Freezing point: No data available
Initial boiling point and boiling range: 75 C (167 F)
Flash point: 631 C (1167.8 F)
Evaporation rate (n-butyl acetate = 1): No data available
Flammability: No data available
Lower explosion limit / flammability limit: No data available
Vapor pressure: No data available
Relative vapor density: No data available
Density: No data available
Relative density: 1.1
Solubility: Polymerizes in presence of water
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Molecular weight: No data available
Pour point: No data available
Percent volatiles: No data available

10. Stability and reactivity

Reactivity: Rapid exothermic polymerization will occur in presence of incompatible materials.
Chemical stability: Stable under the recommended handling and storage conditions.
Conditions to avoid: Keep away from heat and open flames. Avoid high humidity.
Possibility of hazardous reactions: Polymerization may occur in contact with incompatible materials. The polymerization is an exothermic reaction and may cause thermal burns. At high temperatures can occur pyrolysis and dehydrogenation.
Hazardous decomposition products: Thermal decomposition will produce oxides of carbon and thick black smoke.
Incompatible materials: Oxidizing agents, acids, and bases.

11. Toxicological information

Acute toxicity

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Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)
2-Methoxyethyl 2-cyanoacrylate	> 5000 mg/kg	> 2000 mg/kg
Hydroquinone	367.3 mg/kg	> 2000 mg/kg

Notes: There is no tested data available on the product. Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage.

Skin corrosion / irritation: Product will bond to the skin. Contact may cause irritation with redness and itching. Prolonged contact may cause burning.

Serious eye damage / irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Hydroquinone: positive with metabolic activation and negative without metabolic activation in an Invitromammalian chromosome aberration test. Positive in mammalian germ cell cytogenetic assay.

Carcinogenicity

IARC: Group 3 - Not classifiable as to its carcinogenicity to humans: 1,4-dihydroxybenzene,hydroquinone,quinol (CAS 123-31-9); methyl 2-methylprop-2-enoate,methyl 2-methylpropanate,methyl methacrylate (CAS 80-62-6)

NTP: This product does not contain substances listed in the National Toxicology Program (NTP) Report on Carcinogens (RoC).

Notes: None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, or OSHA.

Reproductive toxicity: None of the components are considered a reproductive hazard.

Specific Target Organ Toxicity - single exposure: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - repeated exposure: No conclusive data for classification.

Aspiration hazard: Inhalation of mists or vapors may cause respiratory tract irritation with coughing, headache, and giddiness.

12. Ecological information

Ecotoxicological information:

Hydroquinone: 96 hr LC50 Rainbow trout: 0.638 mg/L, 48 hr EC50 Daphnia magna: 0.134 mg/L, 48 hr NOEC Daphnia magna: 0.095 mg/L, 21 day NOEC Daphnia magna: 0.0057 mg/L

Bioaccumulative potential: No data available

Other adverse effects: This product is expected to be harmful to the aquatic environment. Release to the environment should be avoided.

13. Disposal considerations

Disposal methods: Dispose of in accordance with all local, state, and federal regulations.

RCRA/EPA waste information: Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of the Resource Conservation and Recovery Act (RCRA) and the Resource Conservation and Recovery Act Information (RCRAInfo) regarding waste management.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: NOT REGULATED

ICAO / IATA - air

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UN proper shipping name: ID8000, CONSUMER COMMODITY, 9 (PKG LESS THAN OR EQUAL TO 30 kg G); or UN3334, AVIATION REGULATED LIQUID, N.O.S (METHOXY-ETHYL CYANOACRYLATE), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L, OP WGT LESS THAN OR EQUAL TO 30 kg G) *

IMO / IMDG - International

UN proper shipping name: NOT REGULATED

Comments: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 9, UN3334 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 1.0 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: Hydroquinone (500 lbs)

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
2-Methoxyethyl 2-cyanoacrylate	27816-23-5
Hydroquinone	123-31-9

TSCA Status: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

California Proposition 65: No California Proposition 65 ingredients are known to be in this product.

16. Other information

Approved by: Pacer Technology Regulatory Affairs Department

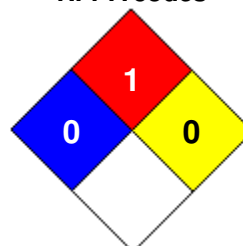
Prepared by: Pacer Technology Regulatory Affairs Department **Date revised:** 05/02/2023

Revision summary: This SDS replaces the 12/09/2020 SDS. Revised: **Section 1:** SDS number. **Section 2:** Classification of the substance or mixture.

HMIS rating

Health	<input type="checkbox"/>	1
Flammability	<input type="checkbox"/>	1
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input type="checkbox"/>	

NFPA codes



Manufacturer disclaimer: To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability

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of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.



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