# **MATERIAL SAFETY DATA SHEET**

## 1. PRODUCT AND COMPANY IDENTIFICATION

1-1. Product name :	PINK ROYALTY				
1-2. Synonym(s) :	None 1-3. Product Code : None				
1-4. General Use :	Adhesives				
1-5. Company Name :	Pinkfishes LTD				
2. COMPOSITION / INFORMATION ON INGREDIENTS					

Ingredients	Wt%	CAS Registry No	Chemical Formula
Ethyl cyanoacrylate	80~89	7085-85-0	CH2C(CN)COOC2H5
PMMA	9.9	9011-14-7	[CH2C(CH3)(CO2CH3)]n
Carbon Black	1%>	1333-86-4	C5

Inventory Status : Ethyl cyanoacrylate

TSCA	Listed
EINECS No.	2303915
RTECS No.	UD3330050
ICSC No.	1358
EC No.	607-236-00-9

## 3. HAZARDS IDENTIFICATION

# GHS Classification

3-1. Flammable Liquid Category :	4
3-2. Pyrophoric Liquids :	Not classified
3-3. Corrosive To Metals :	Not classified
3-4. Acute Toxicity (Oral) :	Not classified
3-5. Acute Toxicity (Dermal) :	Not classified
3-6. Skin Corrosion/ Irritation Category :	2
3-7. Eye Irritation Category :	2B
3-8. Respiratory Sensitizer	1

1B 3-9. Germ Cell Mutagenicity: 2 3-10. Carcinogencity: 3-11. Reproductive Toxicity: 1B 3-12. Target Organ Systemic 3(Respiratory Irritation) **Toxicity:** (Single Exposure) **GHS Label Elements GHS Symbol Exclamation Mark, Health Hazard GHS Signal Word Danger Hazard Statements** Combustible Liquid. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause genetic defects Suspected of causing cancer May damage fertility or the unborn child May cause respiratory irritation. Vapor is irritating to eyes, respiratory system and 3-13. Emergency Overview: skin. (R36/37/38) May cause sensitization by inhalation. Narcotic 3-14. Potential Health Effects: effects, headache, dizziness, vomiting. 3-15. Skin dryness 3-16. Eye irritation 3-17. Potential Environmental Not available. Effects: Vapor is irritating to eyes and mucous membranes above TLV. 3-18. Signs And Symptoms Of Prolonged and repeated overexposure to vapors **Exposure:** may produce symptoms of non-allergic asthma in sensitive individuals. 3-19. Existing Conditions Unknown **Aggravated By Exposure:** 

### 4. FIRST AID MEASURES

**4-1. INGESTION :** Ingestion is not likely. See supplemental page for emergency procedures.

Don't breathe gas/fumes/vapor/spray

**4-2. INHALATION:** (appropriate wording to be specified by the manufacturer). (S23)

Evacuate from further exposure. If unconsciousness occurs,

seek immediate medical assistance and call a physician. If the breath has stopped, have artificial respiration.

If breathing difficulty occurs, have oxygen inhalation.

4-3. Skin Contact:

Remove contaminated clothing. Wash contact areas with soap and much water.

4-4. Eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)

## 5. FIRE FIGHTING MEASURES

**5-1. FLASH POINT :** Above75 °C(167. F) Cleveland open cup

**5-2. Autoignition** temperature :  $485 \text{ }^{\circ}\text{C}(905. \text{ F})$ 

5-3. Explosive Limits: (%by volume in air) Lower: Not available

(%by volume in air) Upper : Not available

5-4. Recommended Extinguishing

Carbon dioxide, form ,dry chemical

agents : 5-5. Special

firefighting procedures:

Not available

5-6. Hazardous

products formed by fire or thermal decomposition:

Irritating organic fragments.

5-7. Unusual fire or explosion

hazards:

6-2. For small spills:

## 6. ACCIDENTAL RELEASE MEASURES

None.

**Evacuate non essential personnel.** 

**6-1. Shut off all sources of ignition :** No fires, smoking or flames in area.

\*Ventilate area after material pick up is completed.

Absorb spill with inert material (dry cloth, dry sand),

then place in a chemical waste containers using non-sparking

tools.

Flush residual spill (area) with plenty of water.

**6-3. For large spills :** Dike for later disposal. Wash with plenty of water.

## 7. HANDLING AND STORAGE

#### 7-1. Handling:

Keep away from sources of ignition and heat. No smoking or flames in working area.

Take precautionary measures against static discharges.

Avoid contact with skin and eyes. (S24/25)

Wear proper protective equipment.

Use only in well ventilated areas.

Use exhaust ventilation to keep air concentration below exposure limit.

Keep container tightly closed when not in use.

Install emergency showers and eye wash facility in working area.

#### 7-2. Storage:

Keep away from all possible source of ignition.

Store in a cool, dry, well ventilated location.

Keep container tightly closed.

Keep away from combustible materials, heat, steam pipe or sunlight.

Keep away from oxidizing materials.

#### 7-3. Other Precautions:

Wash hands, face and gargle after work.

Practice good personal hygiene after using this material, especially before eating, drinking,

smoking or using the rest room.

Keep out of reach of children. (S2)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8-1. Respiratory protection (Specify type):

Chemical cartridge respirator with organic vapor.

Ventilation Local exhausts Should be used control vapors in work area.

Mechanical (General) Should use a breathing mask.

**8-2. Protective gloves :** Polyethylene gloves. No rubber.

**8-3. Eye protection :** Safety glasses, face shield.

8-4. Skin protection:

Other protective clothing or equipment impervious

clothing, apron and boots. Barrier creams, etc.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9-1. Appearance :** Black liquid

**9-2. Odor :** irritating.

**9-3. Boiling point :** Above 190 °C(374. F)

9-4. Melting point : N/A

9-5. Specific gravity (H2O =1) : 0.9 ~ 1.1

9-6. Vapor pressure (at25°C):

**9-7. Vapor density (Air =1) :** 4.5

9-8. Evaporation rate (Butyl acetate =1) : N/A

**9-9. Solubility in water :** Insoluble(polymerized by water)

## 10. STABLITY AND REACTIVITY

10-1. Condition to avoid:

High humidity, high temperature or direct sunlight.

**10-2. Stability:** Stable (cool and dry area.).

10-3. Materials to avoid:

Polymerized by contact with water, alcohols, amines, alkalies.

10-4. Harardous

**decomposition or** CO2, oxides and nitrogen and unknown hydrocarbons. **byproducts:** 

## 11. TOXICOLOGICAL INFORMATION

Skin contact may cause burns.

11-1. Toxicity:

Bond skin rapidly and strongly.

Skin and eye irritant.

11-2. Ethyl above 5000 mg/kg (Acute)

Oral LD50:

11-3. Hydroquinone Oral LD50 :

#### 11-4. Routes of entry:

Inhalation (Yes), Skin (Yes), Ingestion (Yes)

Ingredients which have exposure limits

ACGIH(TLV) OSHA(PEL) OTHER

Ethyl cyanoacrylate 0.2 ppm TWA None None

Hydroquinone 2 mg/m3 TWA 2 mg/m3 TWA 2 mg/m3 TWA

4 mg/m3 STEL

Target Organ And Other Health Effects

Literature Referenced Carcinogen

Ingredients Target Organ And Other Health Effects NTP IARC OSHA

Ethyl cyanoacrylate ALG IRR RES No No No

#### Hydroguinone AC3 BLO BNM CNS EYE IMM IRR LIV MUT No N/A

#### 11-5. Abbreviations:

N/A Not applicable AC3 ACGIH animal carcinogen

ALG Allergen BLO Blood

BNM Bonen marrow CNS Central nervous system

EYE Eyes IMM Immune system

IRR Irritant LIV Liver

**MUT Mutagen RES Respiratory** 

## 12. ECOLOGICAL INFORMATION

Not data available

## 13. DISPOSAL INFORMATION

#### 13-1. Waste disposal method:

Don't pour drain. Follow domestic and local environmental regulations.

Precautions to be taken in handling and storing.

Avoid unnecessary exposure to air and moisture. Don't store above 25<sup>o</sup>C and in direct sunlight, Keep container lids tightly closed.

13-2. Other Precautions:

Avoid contact with skin and eyes. Protect eyes, skin and

clothing from contact with liquid product.

Wear recommended equipment.

### 14. TRANSPORT INFORMATION

#### U.S.Department of Transportation Ground Transport (49 CFR 172)

#### 14-1. Proper shipping name:

Unrestricted (Not more than 450 liters.)

Combustible liquids n.o.s.(Cyanoacrylate ester) (More than 450 liters)

#### 14-2. Hazard class or division:

Unrestricted (Not more than 450 liters.)

Combustible liquids. (More than 450 liters)

**14-3. Identification number :** None (Not more than 450 liters.) NA1993 (More than 450 liters)

14-4. Marine pollutant : None.

14-5. International Air Transportation (ICA/IATA)

**14-6. Proper shipping name:** Unrestricted.

**14-7. Class or division :** Unrestricted.

14-8. UN or ID number	:	None.						
14-9. Water Transportation (IMO/IMDG)								
15. REGURATORY INFORMATION								
15-1. CA Proportion 65 :								
No California propositi	on 65 che	micals are known to be present.						
15-2. TSCA 8(b) Invento	ory Status	All components are listed or are exempt from listing on Toxic Substances Control Act Inventory.						
15-3. EINECS All compo	nents ar	e listed on EINECS						
16. OTHER INFORMATION								
16-1. Estimated NFPA	Code:							
16-2. Health Hazard :		2						
16-3. Fire Hazard :		2						

16-9. NFPA is a registered trademark of the National Fire Protection Assn.

1

2

2

16-10. HMIS is a registered trademark of the National Paint and Coating Assn.

Does not apply

# **NOTE**

16-4. Reactivity Hazard:

16-6. Estimated HMIS Code:

16-8. Flammability Hazard:

16-5. Specific Hazard:

16-7. Health Hazard:

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