

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name **RadiJET® 7620K**

Synonym(s) Black ink

Registration number REACH Not applicable (mixture)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Ink for inkjet printing

### 1.3. Details of the supplier of the safety data sheet

Company identification **MYLAN GROUP**

Long Duc Industrial Park  
Tra Vinh City, Tra Vinh Province, Vietnam  
Tel. +84-294-3846-997  
Fax +84-294-3846-998  
E-mail address: info@mylangroup.com

### 1.4. Emergency telephone number

Name	Address	City	Telephone	Website
Poison Control Center	Bach Mai Hospital 78 Giai Phong Avenue Dong Da District	Ha Noi	+84 (0)243 869 3731	www.chongdoc.org.vn

Hours of operation: 8.00-17.00 Monday-Friday

## Section 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**Product definition : Mixture**

**Classification according to Regulation (EC) No 1272/2008 (CLP):**

Physical hazards Not classified.

Health hazards Skin irritation (Category 2), H315  
Eye irritation (Category 2), H319  
Skin sensitization (Category 1), H317

### 2.2. Label elements

**Labeling according to Regulation (EC) No 1272/2008 (CLP):**

Pictograms



GHS07

Signal word	<b>Warning</b>
Hazard statements	H315- Causes skin irritation. H317- May cause an allergic skin reaction. H319- Causes serious eye irritation.
Precautionary statements	
Prevention	P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P264: Wash hands (and ...) thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response	P321: Specific treatment (see ... on this label). P302+P352: IF ON SKIN: wash with plenty of water/... P264+P265: Wash hands (and ...) thoroughly after handling. Do not touch eyes. P332+P317: If skin irritation occurs: Get medical help. P362+P364: Take off contaminated clothing and wash it before reuse.
Storage	P403 + P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Disposal	P501- Dispose of contents/container in accordance with local/regional/national/ international regulations.

### 2.3. Other hazards

PBT Substances	None
vPvB Substances:	None
Other hazards	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## Section 3: Composition/information on ingredients

**3.1. Substance** No

### 3.2. Mixtures

Hazardous Components (Chemical Name)/ REACH Registration No.	CAS Number	EC Number	Concentration (%)	Classification
1,6-Hexanediol diacrylate	13048-33-4	235-921-9	>75	Skin Irrit. 2: H315 Eye Irrit. 2: H319 Skin Sens. 1: H317
Acrylic resin	Proprietary	Proprietary	<10	Skin Irrit. 3 : H316 Eye Irrit. 2: H319 Skin Sens. 1: H317
Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide	162881-26-7	Proprietary	<7	Skin Sens. 1 : H317 Aquatic Chronic 4 : H413
phenoxy ethyl acrylate	48145-04-6	256-360-6	<6	Skin Irrit. 2, H315 Eye Irrit. 2, H319

## Section 4: First-aid measures

### 4.1. Description of first aid measures

#### In case of:

Inhalation	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
Skin contact	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Ingestion	Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice - Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### 4.2. Most important symptoms/ effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3. Indication of any immediate medical attention and special treatment needed

No special treatment needed, treat symptomatically.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** sand, carbon dioxide (CO<sub>2</sub>) or dry chemical.

**Unsuitable extinguishing media** Not available.

### 5.2. Special hazards arising from the substance or mixture

In case of fire, smoke and other combustion products may be formed, the inhalation of such combustion products can have serious adverse effects on health.

### 5.3. Advice for firefighters

Wear suitable protective suit and self-contained breathing apparatus.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel  
(a) the wearing of suitable protective equipment (including personal protective equipment referred to under section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing;  
(b) removal of ignition sources, provision of sufficient ventilation, control of dust; and  
(c) emergency procedures such as the need to evacuate the danger area or to consult an expert.  
For personal protection see section 8.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and materials for containment and cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

#### 6.4. Reference to other sections

For further and detailed information see section 8 and 13.

### Section 7. Handling and storage

#### 7.1 Precautions for safe handling

#### Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

#### Hygiene measures

Change contaminated clothing. Wash hands after working with substance. For further precautions information see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

#### 7.3 Specific end uses

No specific uses are stipulated.

### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters National limit values

##### Relevant DNELs/DMELs/PNECs and other threshold levels

- human health values

	End point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
1,6-Hexanediol diacrylate	DNEL	24.5mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	2.77mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Bis(2,4,6-trimethylbenzoyl)-phenylphosphine oxide	DNEL	21 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	3,3 mg/kg	human, dermal	worker (industry)	chronic- systemic effects
phenoxy ethyl acrylate	DNEL	1,5 mg/kg	human, inhalatory	worker (industry)	chronic- systemic effects
	DNEL	10 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects

- environmental values

	End point	Threshold level	Environmental compartment
1,6-Hexanediol diacrylate	PNEC	0.000723mg/L	marine water
	PNEC	0.0493mg/kg	marine water sediment
	PNEC	0.493mg/kg	freshwater sediment
	PNEC	2.7mg/L	sewage treatment plant (STP)
	PNEC	0.094mg/kg	soil

	PNEC	0,00723mg/L	freshwater
Bis(2,4,6-trimethylbenzoyl)-phenylphosphine oxide	PNEC	0,001 mg/l	freshwater
	PNEC	0,001 mg/l	marine water
	PNEC	0,712 mg/kg	freshwater sediment
	PNEC	1 mg/l	sewage treatment plant (STP)
	PNEC	0,712 mg/kg	marine sediment
	PNEC	20 mg/kg	soil
phenoxy ethyl acrylate	PNEC	0,002 mg/l	freshwater
	PNEC	0,0002 mg/l	marine water
	PNEC	0,02 mg/kg	freshwater sediment
	PNEC	1,77 mg/l	sewage treatment plant (STP)
	PNEC	0,006 mg/kg	soil

## 8.2 Exposure controls

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

#### Eye/face protection



Wear safety glasses; chemical goggles (if splashing is possible).  
Eye wash fountain and emergency showers are recommended.

#### Skin and body protection

Protective suit, Safety shoes.

#### Hand protection



Wear appropriate chemical resistant gloves.

#### Respiratory protection

Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

#### Thermal hazards

Not available.

#### General hygiene considerations

Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Laundry contaminated clothing before reuse.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Color</b>	Black
<b>Odor</b>	Characteristic
<b>Melting point/freezing point;</b>	Not available.
<b>Boiling point or initial boiling point and boiling range</b>	>90°C at 1,013 hPa - lit.

<b>Flammability (solid, gas)</b>	Not available.
<b>Lower and upper explosion limit</b>	Not available.
<b>Flash point</b>	>100° C / 212 °F (closed cup)
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>pH</b>	Not available.
<b>Viscosity (cPs)</b>	Not available.
<b>Solubility(ies)</b>	Organic solvents
<b>Partition coefficient n-octanol/water (log value)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Density and/or relative density</b>	Not available.
<b>Relative vapour density</b>	Not available.
<b>Particle characteristics</b>	Not available.
<b>9.2 Other information</b>	Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	Not available.
<b>10.2 Chemical stability</b>	Stable at normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	Heat, flames and sparks.
<b>10.5 Incompatible materials</b>	Not available.
<b>10.6 Hazardous decomposition products</b>	Hazardous combustion products: see section 5

## Section 11. Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity value

Components	Species	Test results
<b>1,6-Hexanediol diacrylate</b>		
Inhalation (LC50)	Rat-Male and female	0,41 mg/l, 7 Hours
Oral (LD50)	Rat	5000 mg/kg
Dermal (LD50)	Rabbit	3650 mg/kg

#### **Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide**

Oral (LD50)	Rat	> 2.000 mg/kg
Dermal (LD50)	Rat	> 2.000 mg/kg
<b>phenoxy ethyl acrylate</b>		
Oral (LD50)	Rat	> 5.000 mg/kg
Dermal (LD50)	Rat	> 2.000 mg/kg

**Acrylic resin**

Oral (LD50)	Rat	> 5.000 mg/kg
Dermal (LD50)	Rat	> 2.000 mg/kg
Inhalation (LC50)	Rat	> 5 mg/l (Dust/Mist)
<b>Skin corrosion/irritation</b>	Causes skin irritation	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation	
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction	
<b>Germ cell mutagenicity</b>	Not available.	
<b>Carcinogenicity</b>	Not available.	
<b>Reproductive toxicity</b>	Not available.	
<b>STOT-single exposure;</b>	Not available.	
<b>STOT-repeated exposure;</b>	Not available.	
<b>Aspiration hazard</b>	Not available.	

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Not available.

**11.2.2 Other information**

Not available.

**Section 12. Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

Components		Species	Test Results
<b>1,6-Hexanediol diacrylate</b>			
Fish	LC50	Leuciscus idus (Golden orfe)	4.6 - 10 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	2.6 mg/l - 48 h
Algae	EC50	Desmodesmus subspicatus (green algae)	1.5 mg/l - 72 h
Bacteria	EC50	Sludge Treatment - ca.	270 mg/l – 30 min

**Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide**

Fish	LC50	Danio rerio (zebra fish)	0,09 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	> 1,17 mg/l - 48 h
Algae	EC50	Desmodesmus subspicatus (green algae)	> 0,26 mg/l - 72 h
Bacteria	EC50	activated sludge	> 100 mg/l - 3 h
<b>phenoxy ethyl acrylate</b>			
Fish	LC50	Leuciscus idus	10 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	1,21 mg/l - 48 d
<b>12.2 Persistence and degradability</b>	Data are not available.		
<b>12.3 Bioaccumulative potential</b>	Does not significantly accumulate in organisms.		
<b>12.4 Mobility in soil</b>	Data are not available.		
<b>12.5 Results of PBT and vPvB assessment</b>	According to the results of its assessment, this substance is not a PBT or a vPvB		
<b>12.6 Endocrine disrupting properties</b>	Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.		
<b>12.7 Other adverse effects</b>	Data are not available.		
<b>Section 13. Disposal considerations</b>			
<b>13.1 Waste treatment methods</b>			
<b>Product</b>	Dispose of waste material in accordance with local, state and federal pollution regulations.		
<b>Contaminated packaging</b>	When disposing of an empty container, dispose after removing contents materials completely. Only store in correctly labelled containers.		
<b>Section 14. Transport information</b>			
<b>14.1 UN number</b>			
<b>ADR/RID:</b>	-	<b>AND:</b>	-
		<b>IMDG:</b>	-
		<b>IATA:</b>	-
<b>14.2 UN proper shipping name</b>			
<b>ADR/RID:</b>	Not dangerous goods	<b>AND:</b>	Not dangerous goods
		<b>IMDG:</b>	Not dangerous goods
		<b>IATA:</b>	Not dangerous goods
<b>14.3 Transport hazard class(es)</b>			
<b>ADR/RID:</b>	-	<b>AND:</b>	-
		<b>IMDG:</b>	-
		<b>IATA:</b>	-
<b>14.4 Packing group</b>			
<b>ADR/RID:</b>	-	<b>AND:</b>	-
		<b>IMDG:</b>	-
		<b>IATA:</b>	-



**14.5 Environmental hazards**

ADR/RID: None

AND: None

IMDG: None

IATA: None

**14.6 Special precautions for user**

Not applicable

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable

**Section 15 - Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance**

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**Section 16 - Other Information****Issue date**

21-September-2016

**Revision date**

29-August-2024

**Version #**

2.3

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