


## 1 - Identification

<b>Product identifier</b>	<b>HydraJET® 7052K</b>
<b>Other means of identification</b>	Not available.
<b>Synonym(s)</b>	Black ink
<b>Recommended use</b>	Inkjet Printing
<b>Recommended restrictions</b>	None Known.
<b>Issue date</b>	19-Oct-2015
<b>Company identification</b>	<b>MYLAN GROUP</b> Long Duc Industrial Park Tra Vinh City, Tra Vinh Province, Vietnam Tel. 84-294-3846-997 Fax 84-294-3846-998

## 2 - Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Reproductive toxicity (Category 1B), H360D
<b>Label elements</b>	
<b>Signal word</b>	Danger
<b>Hazard statement</b>	H360D-May damage the unborn child.
<b>Precautionary statement</b>	
<b>Prevention</b>	P203- Obtain, read and follow all safety instructions before use. P280- Wear protective gloves/ protective clothing/eyes protection/face protection
<b>Response</b>	P318 - if exposed or concerned, get medical advice.
<b>Storage</b>	P403 + P235 - Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	Not available
<b>Environmental hazards</b>	Not available

### 3 - Composition/information on ingredients

#### Mixtures

Chemical name	CAS Number	%	Classification
Water	7732-18-5	>65	Not Classified
2-pyrrolidone	616-45-5	<5	Eye Irrit. 2: H319 Repr. 1B: H360
Diethylene glycol	111-46-6	>15	Acute Tox. 4: H302
Colorant	Proprietary	<15	Not Classified

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
<b>Eye contact</b>	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, if needed.
<b>Ingestion</b>	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, if needed.
<b>Most important symptoms/ effects, acute and delayed</b>	Not available.

### 5. Fire-fighting measures

<b>FLASH POINT:</b>	>200 °F (>93.3 °C); Closed Cup
<b>Suitable extinguishing media</b>	Suitable extinguishing media: sand, carbon dioxide (CO <sub>2</sub> ) or dry chemical.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	Not applicable.
<b>Special protective equipment and precautions for firefighters</b>	Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
<b>Fire-fighting equipment/instructions</b>	Not available.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.

### Methods and materials for containment and cleaning up

Not available.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin, eyes. Use with adequate ventilation.  
Wear personal protective equipment.

### Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR1910.1000)

Not classified.

#### US. ACGIH Threshold Limit Values

Not classified.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Not classified.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Not available.

### 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 protection

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Other

Wear appropriate chemical resistant clothing.

#### 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.  
Launder contaminated clothing before reuse.

## 9. Physical and chemical properties

<b>Appearance</b>	Black liquid.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point;</b>	Not available.
<b>Initial boiling point and boiling range</b>	>90°C
<b>Flash point</b>	>200 °F (>93.3 °C); Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit – lower (%)</b>	Not available.
<b>Explosive limit – upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity (cPs)</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

## 11. Toxicological information

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

#### Acute toxicity value

Components	Species	Test results
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#### Diethylene glycol (CAS 111-46-6)

Oral (LD50)	Human	1.000mg/kg
Dermal (LD50)	Rabbit	11.890mg/kg

#### 2-pyrrolidone (CAS 616-45-5)

Oral (LD50)	Rat	> 2.000 mg/kg
Inhalation (LC0)	Rat - male and female	8 h - 0,061 mg/l
Dermal (LD50)	Rabbit - male and female	> 2.000 mg/kg

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory sensitization

No data available

#### Skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### Reproductive toxicity

May damage the unborn child.

**Specific target organ toxicity  
- single exposure** No data available

**Specific target organ toxicity  
- repeated exposure** No data available

**Aspiration hazard** No data available

## 12. Ecological information

### Aquatic toxicity

#### Ecotoxicity

##### Components

##### Species

##### Test Results

#### Diethylene glycol (CAS 111-46-6)

##### Aquatic

Fish	LC50	Pimephales promelas (fathead minnow)	75.200 mg/l - 96 h
	LC50	Carassius auratus (goldfish)	5.000 mg/l - 24 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	> 10.000 mg/l - 24 h

#### 2-pyrrolidone (CAS 616-45-5)

##### Aquatic

Fish	LC50	Danio rerio (zebra fish)	4.600 -10.000 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	> 500 mg/l - 48 h

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Partition coefficient n-octanol /  
water (log Kow)** Not available.

Diethylene glycol (CAS 111-46-6) -0.71

2-pyrrolidone (CAS 616-45-5) -1.98

**Mobility in soil** Not available.

**Other adverse effects** Not available.

### 13. Disposal considerations

**Waste treatment methods**

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Contaminated packaging

Not available.

**Relevant provisions relating to waste**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Remarks**

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

### 14. Transport information

**UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packing group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

none (non-environmentally hazardous acc. to the dangerous goods regulations)

**Special precautions for user**

Provisions for dangerous goods (ADR) should be complied within the premises

### Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

No chemical safety assessment has been carried out.

### Section 16 - Other Information

**Issue date**

19-October-2015

**Revision date**

27-October-2022

**Version #**

3.1

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