


1 - Identification

Product identifier	HydraJET®2018K
Other means of identification	Not available.
Synonym(s)	HydraJET®2018K water-based ink
Recommended use	Inkjet Printing
Recommended restrictions	None Known.
Issue date	27-Jun-2019
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

2 - Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Eyes irritation (category 2B), H320 Acute toxicity, Oral (Category 5), H303 Specific target organ toxicity - repeated exposure (Category 2), H373
Label elements	
Signal word	Warning
Hazard statement	H320- Causes eye irritation H303- May be harmful if swallowed. H373- May cause damage to organs through prolonged or repeated exposure.
Precautionary statement	
Prevention	P264- Wash with plenty of water thoroughly after handling P280- Wear protective gloves/ protective clothing/eyes protection/face protection

Response	P302+P305+ P337+P352 : If on Skin/in eyes: Wash with plenty of water
Storage	P403 + P235 - Store in a well-ventilated place. Keep cool.
Disposal	Not available
Environmental hazards	Not available

3 - Composition/information on ingredients

Mixtures

Chemical name	CAS Number	%
Water	7732-18-5	>82
1,2 hexanediol	6920-22-5	≤5
Diethylene glycol	111-46-6	≤7
Colorants	Proprietary	<6

4. First-aid measures

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.
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, if needed.
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, if needed.
Most important symptoms/ effects, acute and delayed	Not available.

5. Fire-fighting measures

FLASH POINT:	>200 °F (>93.3 °C); Closed Cup
Suitable extinguishing media	Suitable extinguishing media: sand, carbon dioxide (CO2) or dry chemical.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Not applicable.

Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	Not available.
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	May be irritant if contact with skin. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. 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	Not available.
Other	Wear appropriate chemical resistant clothing. 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. Launder contaminated clothing before reuse.

9. Physical and chemical properties

Appearance	Black liquid.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point;	Not available.
Initial boiling point and boiling range	>90°C
Flash point	>200 °F (>93.3 °C); Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.

Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not available.	
Vapor density	Not available.	
Relative density	Not available.	
Solubility(ies)	Soluble in water.	
Partition coefficient: n-octanol/water	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity (cPs)	Not available.	
10. Stability and reactivity		
Reactivity	Not available.	
Chemical stability	Stable at normal conditions.	
Possibility of hazardous reactions	None known.	
Conditions to avoid	Not available.	
Incompatible materials	Not available.	
Hazardous decomposition products	Not available.	
11. Toxicological information		
Symptoms related to the physical, chemical and toxicological characteristics		
Information on toxicological effects		
Acute toxicity value		
Components	Species	Test results
1,2 hexanediol (CAS 6920-22-5)		

Oral		
LD50	Rat	5339-6470 mg/kg

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

Oral	Rat	12565 mg/kg
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LD50

Oral	Human	1000 mg/kg
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LD50

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

Specific target organ toxicity Based on available data, the classification criteria are not met.

- single exposure

Specific target organ toxicity Based on available data, the classification criteria are not met.

toxicity

- repeated exposure

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Aquatic toxicity

Ecotoxicity

Components

Species

Test Results

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

Fish	LC50	Pimephales promelas (fathead minnow)	75200 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	>10000 mg/l - 24 h

Persistence and degradability Not available.

Bioaccumulative potential Not available.

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

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Do not dispose of together with general office waste.
Do not allow this material to drain into sewers/water supplies.
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
Ensure collection and disposal with an appropriately licensed waste contractor.

Local disposal regulations Not available.

Hazardous waste code Not available.

Waste from residues / unused products Not available.

Contaminated packaging Not available.

14. Transport information

DOT

UN number Not classified.

UN proper shipping name Not dangerous good.

Transport hazard class(es) Not classified.

Subsidiary class(es) Not classified.

Packing group Not classified.

Special precautions for user Not available.

Labels required Not available.

IATA

UN number Not classified.

UN proper shipping name Not dangerous good

Transport hazard class(es) Not classified.

Subsidiary class(es) Not classified.

Packaging group Not classified.

Environmental hazards No

Labels required Not available.

ERG Code	Not available.
Special precautions for user	Not available.
IMDG	
UN number	Not classified.
UN proper shipping name	Not dangerous good
Transport hazard class(es)	Not classified.
Subsidiary class(es)	Not classified.
Packaging group	Not classified.
Environmental hazards	No
Marine pollutant	
Labels required	Not available.
EmS	Not available.
Special precautions for user	Not available.
Section 15 - Regulatory Information	
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not on regulatory list.
CERCLA Hazardous Substance List(40 CFR 302.4)	Not on regulatory list.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard – Yes. Delayed Hazard – Yes. Fire Hazard – No. Pressure Hazard – No. Reactivity Hazard – No. SARA 302 Extremely hazardous substance-No. SARA 311/312 Hazardous chemical-No.

US state regulations**US. Massachusetts RTK -** Not available.**Substance List****US. New Jersey Worker and** Not on regulatory list.**Community Right-to-Know****Act****US. Pennsylvania RTK -** Not on regulatory list.**Hazardous Substances****US. Rhode Island RTK** Not on regulatory list.**US - California Proposition 65** Not on regulatory list.**- Carcinogens &****Reproductive Toxicity (CRT):****Listed substance****Section 16 - Other Information****Issue date** 27-June-2019**Revision date** -**Version #** 01**Disclaimer**

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