

Section 1 - Identification

Product identifier	HydraJET®2020K
Other means of identification	Not available.
Synonym(s)	Black ink
Recommended use	Inkjet Printing
Recommended restrictions	None Known.
Issue date	9-June-2015
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

Section 2 - Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Label elements	No symbol
Signal word	Not available.
Hazard statement	Not classified.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Store in dry- cool place.
Disposal	Not available
Environmental hazards	Not available

Section 3 - Composition/information on ingredients**Mixtures**

Chemical name	CAS Number	%
Water	7732-18-5	>69
1,2 hexanediol	6920-22-5	<10
Propylene glycol	57-55-6	<10
Diethylene glycol	111-46-6	<5
Black dye	Proprietary	<6
Section 4. First-aid measures		
Inhalation	Not available.	
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.	
Section 5. Fire-fighting measures		
FLASH POINT:	>200 °F (>93.3 °C); Closed Cup	
Suitable extinguishing media	Suitable extinguishing media: sand, carbon dioxide (CO ₂) 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.	
Section 6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures	Not applicable.	

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up Not available.

Section 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.

Section 8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Not classified.

Air Contaminants (29 CFR1910.1000)

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.

Thermal hazards Not available.

General hygiene considerations When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.
Launder contaminated clothing before reuse.

Section 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.

Section 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.

Section 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
1,2 hexanediol (CAS 6920-22-5)		
Oral		
LD50	Rat	5339-6470 mg/kg
Diethylene glycol (CAS 111-46-6)		
Oral (LD50)	Human	1000 mg/kg
Dermal (LD50)	Rabbit	11890mg/kg
Propylene glycol (CAS 57-55-6)		
Dermal (LD50)	Rabbit	20.800 mg/kg
Oral (LD50)	Rat (male and female)	20.000 mg/kg
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not available.	
Respiratory sensitization	Not available.	
Skin sensitization	Not available.	

Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.

Section 12. Ecological information

Aquatic toxicity

Ecotoxicity	Not available.
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Components

1,2 hexanediol

(CAS 6920-22-5)

Components		Species	Test Results
Fish	LC50	Oncorhynchus mykiss (rainbow trout)	> 1,000 mg/l
Daphnia and other aquatic invertebrates	EC10	Freshwater algae	> 110 mg/L - 48h
Microorganisms	EC0	Activated sludge	>1000 mg/L – 3h

Diethylene glycol

(CAS 111-46-6)

Fish	LC50	Pimephales promelas (fathead minnow)	75,200 mg/l – 96h
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Propylene glycol

(CAS 57-55-6)

Fish	NOEC	Pimephales promelas (fathead minnow)	52.930 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50 NOEC	Daphnia (water flea)	> 10.000 mg/l - 48 h 13.020 mg/l - 48 h

Persistence and degradability	Not available.
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Bioaccumulative potential	Not available.
Partition coefficient n-octanol / water (log Kow)	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.

Section 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 regulated.
Waste from residues / unused products	Not available.
Contaminated packaging	Not available.

Section 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	
Marine pollutant	No
Labels required	Not available.
EmS	Not available.
Special precautions for user	Not available.

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

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