

1 - Identification

Product identifier	HydraJET®2022R
Other means of identification	Not available.
Synonym(s)	Red ink
Recommended use	Inkjet Printing
Recommended restrictions	None Known.
Issue date	10-July-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

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

3 - Composition/information on ingredients

Mixtures

Chemical name	CAS Number	%
Water	7732-18-5	>63
1,2 hexanediol	6920-22-5	<10
Diethylene glycol	111-46-6	<10
Glycerol	56-81-5	<10
Colorant	Proprietary	≤ 7
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.	
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.	
6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures	Not available.	
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

Appearance	Red 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)		
Dermal (LD50)	Rabbit	11,890 mg/kg
Glycerol (CAS 56-81-5)		
Oral		
LD50	Rat	12.600 mg/kg
Dermal		
LD50	Rabbit	10.000 mg/kg
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.

12. Ecological information

Aquatic toxicity

Ecotoxicity

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

Fish	LC50	Pimephales promelas (fathead minnow)	75,200 mg/l - 96h
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Glycerol (CAS 56-81-5)

Toxicity to fish static test -	LC50	Oncorhynchus mykiss (rainbow trout)	54.000 mg/l - 96 h Remarks: (ECHA)
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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 regulated.

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

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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