

1 - Identification

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|--------------------------------------|--|
| Product identifier | HydraJET®2018K |
| Other means of identification | Not available. |
| Synonym(s) | Black 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 | 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 | >79 |
| 1,2 hexanediol | 6920-22-5 | ≤5 |
| 1,3-propanediol | 504-63-2 | ≤10 |
| Colorants | Proprietary | <6 |
| 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. | |

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|--|--|
| 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. |
| 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. |
| 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 |
| 1,3-propanediol (CAS 504-63-2) | | |
| Oral | | |
| LD50 | Rat-Male and female | 10.500 mg/kg |
| Dermal | | |
| LD50 | Rat-Male and female | >4.200 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

1,3-propanediol (CAS 504-63-2)

| | | | |
|---|------|---------------------------------------|--------------------|
| Fish | LC50 | Pimephales promelas (fathead minnow) | >9.720 mg/l - 96 h |
| Daphnia and other aquatic invertebrates | EC50 | Daphnia magna (Water flea) | 7.417 mg/l - 48 h |
| Algae | EC50 | Desmodesmus subspicatus (green algae) | 1.600 mg/l - 72 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

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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