


## 1 - Identification

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| <b>Product identifier</b>            | <b>HydraJET®2016M</b>  |
| <b>Other means of identification</b> | Not available.   |
| <b>Synonym(s)</b>                    | Magenta ink  |
| <b>Recommended use</b>               | Inkjet Printing  |
| <b>Recommended restrictions</b>      | None Known.  |
| <b>Issue date</b>                    | 9-Jun-2015   |
| <b>Company identification</b>        | <b>MYLAN GROUP</b><br>Long Duc Industrial Park<br>Tra Vinh City, Tra Vinh Province, Vietnam<br>Tel. +84-294-3846-997<br>Fax +84-294-3846-998 |

## 2 - Hazard(s) identification

|                                |  |
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| <b>Physical hazards</b>        | Not classified.  |
| <b>Health hazards</b>          | Eyes irritation (category 2A), H319<br>Skin corrosion/irritation (Category 3). H316<br>May damage the unborn child (Category 1B), H360D  |
| <b>Label elements</b>          |   |
| <b>Signal word</b>             | Warning  |
| <b>Hazard statement</b>        | H319- Causes serious eyes irritation<br>H316- Causes mild skin irritation<br>H360D- May damage the unborn child.   |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | P201- Obtain special instructions before use.<br>P202- Do not handle until all safety precautions have been read and understood.<br>P264- Wash with plenty of water thoroughly after handling<br>P280- Wear protective gloves/ protective clothing/eyes protection/face protection<br>P281- Use personal protective equipment as required. |

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| <b>Response</b>  | P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.<br>P332+P313: IF SKIN irritation occurs: Get medical advice/attention.<br>P337+P313: IF eye irritation persists: Get medical advice/attention. |          |
| <b>Storage</b>   | P403 + P235 - Store in a well-ventilated place. Keep cool.<br>P405: Store locked up.  |          |
| <b>Disposal</b>  | P501- Dispose of contents/container in accordance with local/ regional/ national/ international regulations.  |          |
| <b>Environmental hazards</b>                               | Not classified  |          |
| <b>3 - Composition/information on ingredients</b>          |   |          |
| <b>Mixtures</b>  |   |          |
| <b>Chemical name</b>                                       | <b>CAS Number</b>   | <b>%</b> |
| Water  | 7732-18-5   | >70      |
| N-methyl-2-pyrrolidone                                     | 872-50-4  | <10      |
| 1,2 hexanediol   | 6920-22-5   | <10      |
| Diethylene Glycol  | 111-46-6  | ≤6       |
| Magenta dye  | Proprietary   | <4       |
| <b>4. First-aid measures</b>                               |   |          |
| <b>Inhalation</b>  | Move person to fresh air immediately.<br>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.  |          |
| <b>5. Fire-fighting measures</b>                           |   |          |
| <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.  |          |

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| <b>Specific hazards arising from the chemical</b>                            | Not applicable.  |
| <b>Special protective equipment and precautions for firefighters</b>         | Not available.   |
| <b>Fire-fighting equipment/instructions</b>                                  | Not available.   |
| <b>6. Accidental release measures</b>  |  |
| <b>Personal precautions, protective equipment and emergency procedures</b>   | May be irritant if contact with skin.<br>Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.<br>Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| <b>Environmental precautions</b>   | Do not flush into surface water or sanitary sewer system.  |
| <b>Methods and materials for containment and cleaning up</b>                 | Not available.   |
| <b>7. Handling and storage</b>   |  |
| <b>Precautions for safe handling</b>   | Avoid contact with skin, eyes. Use with adequate ventilation.<br>Wear personal protective equipment.   |
| <b>Conditions for safe storage, including any incompatibilities</b>          | Keep containers tightly closed in a dry, cool and well-ventilated place.   |
| <b>8. Exposure controls/personal protection</b>                              |  |
| <b>Occupational exposure limits</b>  |  |
| <b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR1910.1000)</b>      | Not classified.  |
| <b>US. ACGIH Threshold Limit Values</b>                                      | Not classified.  |
| <b>US. NIOSH: Pocket Guide to Chemical Hazards</b>                           | Not classified.  |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Appropriate engineering controls</b>                                      | Not available.   |
| <b>Individual protection measures, such as personal protective equipment</b> |  |

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| <b>Eye/face protection</b>            | Wear safety glasses; chemical goggles (if splashing is possible).<br>Eye wash fountain and emergency showers are recommended.   |
| <b>Skin protection</b>                |   |
| <b>Hand protection</b>                | Wear appropriate chemical resistant gloves.   |
| <b>Other</b>                          | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>         | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.  |
| <b>Thermal hazards</b>                | Not available.  |
| <b>General hygiene considerations</b> | Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing.<br>When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.<br>Launder contaminated clothing before reuse. |

## 9. Physical and chemical properties

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|---|--------------------------------|
| <b>Appearance</b>                                   | Magenta 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.                 |

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|---|------------------------------|---------------------|
| <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.               |                     |
| <b>10. Stability and reactivity</b>   |                              |                     |
| <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.               |                     |
| <b>11. Toxicological information</b>  |                              |                     |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Not available.               |                     |
| <b>Information on toxicological effects</b>   |                              |                     |
| <b>Acute toxicity value</b>   | Not available.               |                     |
| <b>Components</b>   | <b>Species</b>               | <b>Test results</b> |
| <b>1,2 hexanediol (CAS 6920-22-5)</b>   |                              |                     |
| Oral (LD50)   | Rat                          | 5339-6470 mg/kg     |
| <b>N-methyl-2-pyrrolidone (CAS 872-50-4)</b>  |                              |                     |
| Oral (LD50)   | Rat - male and female        | 4.150 mg/kg         |

|   |  |                     |
|---|--|---------------------|
| Dermal (LD50)   | Rat - male and female  | > 5.000 mg/kg       |
| Inhalation (LC50)   | Rat - male and female  | > 5,1 mg/l (4h)     |
| <b>Diethylene Glycol<br/>(CAS 111-46-6)</b>               |  |                     |
| Dermal (LD50)   | Rabbit   | 11,890 mg/kg        |
| <b>Skin corrosion/irritation</b>                          | Skin Contact: May cause skin irritation.   |                     |
| <b>Serious eye damage/eye irritation</b>                  | Eye Contact: May cause eye irritation.<br>Inhalation: May be harmful if inhaled.<br>Ingestion: Harmful if swallowed. |                     |
| <b>Respiratory sensitization</b>                          | Not available.   |                     |
| <b>Skin sensitization</b>                                 | Not available.   |                     |
| <b>Germ cell mutagenicity</b>                             | Not available.   |                     |
| <b>Carcinogenicity</b>                                    | Not available.   |                     |
| <b>Specific target organ toxicity - single exposure</b>   | Not available.   |                     |
| <b>Specific target organ toxicity - repeated exposure</b> | Not available.   |                     |
| <b>Aspiration hazard</b>                                  | Not available.   |                     |
| <b>12. Ecological information</b>                         |  |                     |
| <b>Aquatic toxicity</b>                                   |  |                     |
| <b>Ecotoxicity</b>  |  |                     |
| <b>Components</b>   | <b>Species</b>   | <b>Test Results</b> |
| <b>Diethylene glycol<br/>(CAS 111-46-6)</b>               |  |                     |
| Fish  | LC50<br>Pimephales promelas<br>(fathead minnow)  | 75,200 mg/l - 96h   |
| <b>N-methyl-2-pyrrolidone<br/>(CAS 872-50-4)</b>          |  |                     |
| Fish  | LC50<br>Oncorhynchus mykiss<br>(rainbow trout)   | > 500 mg/l - 96 h   |
| Daphnia and other aquatic invertebrates                   | EC50<br>Daphnia magna<br>(Water flea)  | 4.897 mg/l - 48 h   |
| Algae   | EC50<br>Desmodesmus subspicatus<br>(green algae) -   | 672,8 mg/l - 72 h   |

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| <b>Persistence and degradability</b>                     | Not available.   |
| <b>Bioaccumulative potential</b>                         | Not available.   |
| <b>Partition coefficient n-octanol / water (log Kow)</b> | Not available.   |
| <b>Mobility in soil</b>                                  | Not available.   |
| <b>Other adverse effects</b>                             | Not available.   |
| <b>13. Disposal considerations</b>                       |  |
| <b>Disposal instructions</b>                             | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |
| <b>Local disposal regulations</b>                        | Not available.   |
| <b>Hazardous waste code</b>                              | Not available.   |
| <b>Waste from residues / unused products</b>             | Not available.   |
| <b>Contaminated packaging</b>                            | Not available.   |
| <b>14. Transport information</b>                         |  |
| <b>DOT</b>   |  |
| <b>UN number</b>   | Not classified.  |
| <b>UN proper shipping name</b>                           | Not dangerous good.  |
| <b>Transport hazard class(es)</b>                        | Not classified.  |
| <b>Subsidiary class(es)</b>                              | Not classified.  |
| <b>Packing group</b>                                     | Not classified.  |
| <b>Special precautions for user</b>                      | Not available.   |
| <b>Labels required</b>                                   | Not available.   |
| <b>IATA</b>  |  |
| <b>UN number</b>   | Not classified.  |
| <b>UN proper shipping name</b>                           | Not dangerous good   |

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| <b>Transport hazard class(es)</b>   | Not classified.    |
| <b>Subsidiary class(es)</b>         | Not classified.    |
| <b>Packaging group</b>              | Not classified.    |
| <b>Environmental hazards</b>        | No                 |
| <b>Labels required</b>              | Not available.     |
| <b>ERG Code</b>                     | Not available.     |
| <b>Special precautions for user</b> | Not available.     |
| <b>IMDG</b>                         |                    |
| <b>UN number</b>                    | Not classified.    |
| <b>UN proper shipping name</b>      | Not dangerous good |
| <b>Transport hazard class(es)</b>   | Not classified.    |
| <b>Subsidiary class(es)</b>         | Not classified.    |
| <b>Packaging group</b>              | Not classified.    |
| <b>Environmental hazards</b>        | No                 |
| <b>Marine pollutant</b>             | No                 |
| <b>Labels required</b>              | Not available.     |
| <b>EmS</b>                          | Not available.     |
| <b>Special precautions for user</b> | 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

|                      |              |
|----------------------|--------------|
| <b>Issue date</b>    | 9-June-2015  |
| <b>Revision date</b> | 14-June-2021 |



**Version #** 5.0

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