


## 1 - Identification

<b>Product identifier</b>	<b>AnJET™ 2050G</b>
<b>Other means of identification</b>	Not available.
<b>Synonym(s)</b>	2050 green food grade ink
<b>Recommended use</b>	Inkjet Printing
<b>Recommended restrictions</b>	None Known.
<b>Issue date</b>	29-March-2017
<b>Company identification</b>	<b>MYLAN GROUP</b> 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

<b>Physical hazards</b>	Flammable liquids.	Category 3
<b>Health hazards</b>	Not classified.	
<b>OSHA hazard(s)</b>	Not classified.	
<b>Label elements</b>		
<b>Signal word</b>	Warning	
<b>Hazard statement</b>	H226- Flammable liquid and vapor.	
<b>Precautionary statement</b>		
<b>Prevention</b>	P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting/equipment. P242 - Use only non-sparking tools. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P370+P378- In case of fire: for small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam to extinguish. For large fires, use water spray, fog, or alcohol-resistant foam to extinguish. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.	
<b>Response</b>	P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	
<b>Storage</b>	P403 + P235 - Store in a well-ventilated place. Keep cool.	

<b>Disposal</b>	P501- Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not classified.	
<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	>60
Ethanol	64-17-5	<20
Glycerol	56-81-5	<5
Food grade dye mixture	Proprietary	<10
<b>4. First-aid measures</b>		
<b>Inhalation</b>	Move person to fresh air immediately. 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. Get medical attention, if needed.	
<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 immediately.	
<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 immediately.	
<b>Most important symptoms/ effects, acute and delayed</b>	See section 8.	
<b>5. Fire-fighting measures</b>		
<b>FLASH POINT:</b>	40°C	
<b>Suitable extinguishing media</b>	Suitable extinguishing media: sand, carbon dioxide (CO2) or dry chemical.	
<b>Unsuitable extinguishing media</b>	Not available.	
<b>Specific hazards arising from the chemical</b>	Not applicable.	
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus. Avoid run off into storm sewers and ditches which lead to waterways.	
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do it without risk.	

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not available.

**Environmental precautions** Not available.

**Methods and materials for containment and cleaning up** Not available.

## 7. Handling and storage

**Precautions for safe handling** Not available.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m <sup>3</sup> 1000 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm

**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** Not available.

**Skin protection**

**Hand protection** Not available.

**Other** Not available

**Respiratory protection** Not available

**Thermal hazards** Not available.

**General hygiene considerations** When using, do not eat, drink or smoke. Wash hands after handling the product.

## 9. Physical and chemical properties

<b>Appearance</b>	Green 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>	>70°C
<b>Flash point</b>	40°C
<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.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity at 25°C (cPs)</b>	2.0 - 4.0
<b>Specific Gravity</b>	Not available.

## 10. Stability and reactivity

<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>		
<b>Components</b>	<b>Species</b>	<b>Test results</b>
<b>Ethanol (CAS 64-17-5)</b>		
<b>Acute</b>		
Inhalation		
LC50	Mouse Rat	39 mg/l, 4 Hours 20000 mg/l, 10 Hours
Oral		
LD50	Dog Guinea pig Mouse Rat	5.5 g/kg 5.6 g/kg Mouse 3450 mg/kg Rat 7060 mg/kg 6.2 g/kg
Other		
LD50	Mouse Rat	933 mg/kg 1440 mg/kg
<b>Skin corrosion/irritation</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Eye Contact: Not available. Inhalation: Not available. Ingestion: Not available.	
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.	
<b>12. Ecological information</b>		
<b>Aquatic toxicity</b>		
<b>Eco toxicity</b>		

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
<b>Ethanol (CAS 64-17-5)</b>		
<b>Aquatic</b>		
Crustacea	EC50 Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50 Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulative potential</b>	Not available.	
<b>Partition coefficient n-octanol / water (log Kow)</b>		
Ethanol (CAS 64-17-5)	-0.31	
<b>Mobility in soil</b>	Not available.	
<b>Other adverse effects</b>	Not available.	
<b>13. Disposal considerations</b>		
<b>Disposal instructions</b>	Not available	
<b>Local disposal regulations</b>	Not available.	
<b>Hazardous waste code</b>	Not regulated.	
<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>	UN1210	
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol)	
<b>Transport hazard class(es)</b>	3	
<b>Subsidiary class(es)</b>	Not available.	
<b>Packing group</b>	III	
<b>Special precautions for user</b>	Not available.	
<b>Labels required</b>	Not available.	
<b>IATA</b>		
<b>UN number</b>	UN1210	
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol)	

<b>Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	Not available.
<b>Packaging group</b>	III
<b>Environmental hazards</b>	Not available.
<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>	UN1210
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol)
<b>Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	Not available.
<b>Packaging group</b>	III
<b>Environmental hazards</b>	Not available.
<b>Marine pollutant</b>	
<b>Labels required</b>	Not available.
<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Not available.
<b>Section 15 - Regulatory Information</b>	
<b>US federal regulations</b>	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not on regulatory list.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not on regulatory list.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>Hazard categories</b>	Immediate Hazard – No. Delayed Hazard – No. Fire Hazard – Yes. Pressure Hazard – No.

	Reactivity Hazard – No.
<b>SARA 302 Extremely hazardous substance</b>	No.
<b>SARA 311/312 Hazardous chemical</b>	No.
<b>US state regulations</b>	
<b>US. Massachusetts RTK - Substance List</b>	Ethanol (CAS 64-17-5)
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	Not on regulatory list.
<b>US. Pennsylvania RTK - Hazardous Substances</b>	Ethanol (CAS 64-17-5)
<b>US. Rhode Island RTK</b>	Ethanol (CAS 64-17-5)
<b>US - California Proposition 65 - Carcinogens &amp; Reproductive Toxicity (CRT): Listed substance</b>	Not on regulatory list.
<b>Section 16 - Other Information</b>	
<b>Issue date</b>	29-March-2017
<b>Revision date</b>	-
<b>Version #</b>	01
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