


1 - Identification

Product identifier	AnJET™ 2050R
Other means of identification	Not available.
Synonym(s)	2050 red food grade ink
Recommended use	Inkjet Printing
Recommended restrictions	None Known.
Issue date	11-Jan-2016
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	Flammable liquids.	Category 3
Health hazards	Not classified.	
OSHA hazard(s)	Not classified.	
Label elements		
Signal word	Warning	
Hazard statement	H226- Flammable liquid and vapor.	
Precautionary statement		
Prevention	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.	
Response	P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	
Storage	P403 + P235 - Store in a well-ventilated place. Keep cool.	

Disposal	P501- Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	Not classified.	
Environmental hazards	Not classified.	
3 - Composition/information on ingredients		
Mixtures		
Chemical name	CAS Number	%
Water	7732-18-5	>50
Ethanol	64-17-5	<40
Food grade dyes mixture	Proprietary	<10
Additive	Proprietary	<1
4. First-aid measures		
Inhalation	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.	
Skin contact	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.	
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 immediately.	
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 immediately.	
Most important symptoms/ effects, acute and delayed	See section 8.	
5. Fire-fighting measures		
FLASH POINT:	30°C	
Suitable extinguishing media	Suitable extinguishing media: sand, carbon dioxide (CO2) or dry chemical.	
Unsuitable extinguishing media	Not available.	
Specific hazards arising from the chemical	Not applicable.	
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus. Avoid run off into storm sewers and ditches which lead to waterways.	
Fire-fighting equipment/instructions	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 ³ 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 ³ 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

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	>70°C
Flash point	30°C
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)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity at 25°C (cPs)	2.0 - 4.0
Specific Gravity	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	Not available.	
Information on toxicological effects		
Acute toxicity value		
Components	Species	Test results
Ethanol (CAS 64-17-5)		
Acute		
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
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Eye Contact: Not available. Inhalation: Not available. Ingestion: Not available.	
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Skin sensitization	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.	
12. Ecological information		
Aquatic toxicity		
Eco toxicity		
Components	Species	Test Results

Ethanol (CAS 64-17-5)**Aquatic**

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

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

Ethanol (CAS 64-17-5) -0.31

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Not available

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 UN1210

UN proper shipping name Printing ink, flammable (Ethanol)

Transport hazard class(es) 3

Subsidiary class(es) Not available.

Packing group II

Special precautions for user Not available.

Labels required Not available.

IATA

UN number UN1210

UN proper shipping name Printing ink, flammable (Ethanol)

Transport hazard class(es) 3

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

	Reactivity Hazard – No.
SARA 302 Extremely hazardous substance	No.
SARA 311/312 Hazardous chemical	No.
US state regulations	
US. Massachusetts RTK - Substance List	Ethanol (CAS 64-17-5)
US. New Jersey Worker and Community Right-to-Know Act	Not on regulatory list.
US. Pennsylvania RTK - Hazardous Substances	Ethanol (CAS 64-17-5)
US. Rhode Island RTK	Ethanol (CAS 64-17-5)
US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance	Not on regulatory list.
Section 16 - Other Information	
Issue date	11-Jan-2016
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Version #	02
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