



# SAFETY DATA SHEET

According to 1907/2006/EC (REACH), 453/2010 (EC), 1272/2008/EC (CLP)  
and OSHA GHS

## 1 – Identification

<b>Product identifier</b>	<b>SoluJET® 2707R</b>
<b>Other means of identification</b>	Not available.
<b>Synonym(s)</b>	SoluJET® 2707R red solvent- based ink
<b>Recommended use</b>	Inkjet Printing
<b>Recommended restrictions</b>	None Known.
<b>Issue date</b>	16-Oct-2018
<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>Classification according to Regulation (EC) No 1272/2008 (CLP):</b>	Flammable liquids. Category 2
<b>Health hazards</b>	Flammable liquids (Category 2), H225 Eye irritation (Category 2), H319 Mild skin irritation (category 3), H316
<b>Labeling according to Regulation (EC) No 1272/2008 (CLP):</b>	  <b>GHS02    GHS07</b>
<b>GHS signal word</b>	Danger
<b>GHS hazard statement</b>	H225- Highly flammable liquid and vapor. H319- Causes serious eye irritation. H316- Causes mild skin irritation.

**GHS 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.  
 P243 - Take precautionary measures against static discharge.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash thoroughly after handling.  
 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**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**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.

**Environmental hazards**

Not available

**3 - Composition/information on ingredients**

<b>Hazardous Components (Chemical Name)/ REACH Registration No.</b>	<b>CAS Number</b>	<b>%</b>	<b>EC No./ EC indexNo</b>	<b>GHS Classification</b>
Ethanol	64-17-5	>77	200-578-6 603-002-00-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319
1-methoxy-2-propanol	107-98-2	≤10	203-539-1 603-064-00-3	Flam. Liq. 3; STOT SE 3; H226, H336
Cyclohexanone	108-94-1	≤4	20203-631-1 606-010-00-7	Flam. Liq. 3, H226 Acute Tox. 4, H302, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318
Acetone	67-64-1	≤5	200-662-2 606-001-00-8	Flam. Liq. 1: H224 Eye Irrit. 2: H319 STOT SE 3: H336
Red dyes mixture	Proprietary	<4	NA	Not classified

#### 4. First-aid measures

<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.

#### 5. Fire-fighting measures

<b>FLASH POINT:</b>	15°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.
<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

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. 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.

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

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.  
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. Keep away from heat, sparks and flame.

## 8. Exposure controls/personal protection

### Occupational exposure

#### limits

Component	CAS	US	EU	UK
Ethanol	64-17-5	1000 ppm TWA OSHA PEL 1000 ppm STEL ACGIH TLV	None Established	1000 ppm TWA
Cyclohexanone	108-94-1	1000 ppm TWA OSHA PEL	None Established	None Established
Acetone	67-64-1	590 mg/m <sup>3</sup> TWA OSHA PEL 750 ppm STEL ACGIH TLV	None Established	590 mg/m <sup>3</sup> TWA, 750 ppm STEL
1-methoxy-2-propanol	107-98-2	None: TWA OSHA PEL 150ppm, 553mg/m <sup>3</sup> STEL ACGIH TLV	375mg/m <sup>3</sup> TWA 568mg/m <sup>3</sup> STEL	375mg/m <sup>3</sup> TWA 150ppm STEL

**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**

Characteristic

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point;**

Not available.

**Initial boiling point and boiling range**

>70°C

**Flash point**

15°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.

<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>	Soluble in ethanol	
<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>	Heat, flames and sparks.	
<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>		

**Acute**

Inhalation

LC50	Mouse	39 mg/l, 4 Hours
	Rat	20000 mg/l, 10 Hours

Oral

LD50	Dog	5.5 g/kg
	Guinea pig	5.6 g/kg
	Mouse	Mouse 3450 mg/kg
	Rat	Rat 7060 mg/kg
		6.2 g/kg

Other

LD50	Mouse	933 mg/kg
	Rat	1440 mg/kg

**Cyclohexanone  
(CAS 108-94-1)****Acute**

Inhalation

LC50	Rat	> 6.2 mg/l, 4 Hours
------	-----	---------------------

Dermal

LD50	rabbit	3,160 mg/kg
------	--------	-------------

**Acetone (CAS 67-64-1)****Acute**

Inhalation

LC50	Rat	50.100 mg/m <sup>3</sup>
------	-----	--------------------------

Oral

LD50	Rat	5.800 mg/kg
------	-----	-------------

Dermal

LD50	Guinea pig	7.426 mg/kg
------	------------	-------------

**1-methoxy-2-propanol  
(CAS 107-98-2)****Acute**

Inhalation

LC50	Rat	10,000 mg/l, 5 Hour
------	-----	---------------------

Oral

LD50	Mouse	11,700mg/kg
------	-------	-------------


Dermal

LC50	Rabbit	13,000mg/kg
<b>Skin corrosion/irritation</b>	Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin.	
<b>Serious eye damage/eye irritation</b>	Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: Harmful if swallowed.	
<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>Cyclohexanone (CAS 108-94-1)</b>		
Daphnia and other aquatic invertebrates	LC50 Daphnia magna (Water flea)	820 mg/l - 24 h
<b>Acetone (CAS 67-64-1)</b>		




Fish	LC50	Oncorhynchus mykiss (rainbow trout)	5.540 mg/l - 96 h
Daphnia and other aquatic invertebrates	LC50	Daphnia magna (Water flea)	8.800 mg/l - 48 h
<b>Bioaccumulative potential</b>	Not available.		
<b>Partition coefficient n- octanol / water (log Kow)</b>			
Ethanol (CAS 64-17-5)	-0.31		
Cyclohexanone (CAS 108-94-1)	0.81		
Acetone (CAS 67-64-1)	-0.24		
1-methoxy-2-propanol (CAS 107-98-2)	-0.49		
<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. 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.		
<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>			

**DOT**

<b>UN number</b>	UN1210
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol, Cyclohexanone, Acetone, 1-methoxy-2-propanol)
<b>Transport hazard class(es)</b>	 Classes: 3 Flammable liquid Label :3
<b>Subsidiary class(es)</b>	Not available.
<b>Packing group</b>	II
<b>Special precautions for user</b>	DOT Classification only applies to shipments within the US and Puerto Rico.
<b>Labels required</b>	Not available.

**IATA**

<b>UN number</b>	UN1210
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol, Cyclohexanone, Acetone, 1-methoxy-2-propanol)
<b>Transport hazard class(es)</b>	 Classes: 3 Flammable liquid Label :3
<b>Subsidiary class(es)</b>	-
<b>Packaging group</b>	II
<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.

**IMDG**

<b>UN number</b>	UN1210
<b>UN proper shipping name</b>	Printing ink, flammable (Ethanol, Cyclohexanone, Acetone, 1-methoxy-2-propanol)
<b>Transport hazard class(es)</b>	 Classes: 3 Flammable liquid Label :3

<b>Subsidiary class(es)</b>	-
<b>Packaging group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<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>	1-methoxy-2-propanol (CAS 107-98-2)
<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	Not on regulatory list.
<b>Canadian Domestic Substances List (DSL)</b>	Not on regulatory list.
<b>Canadian Ingredient Disclosure list (limit 0.1%)</b>	Ethanol(CAS 64-17-5)
<b>Canadian Ingredient Disclosure list (limit 1%)</b>	Not on regulatory list.
<b>Other regulations, limitations and prohibitive regulations</b>	
<b>Substances of very high concern (SVHC) according to REACH,</b>	None of the ingredients are listed.

**Article 57****Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes 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) Cyclohexanone (CAS 108-94-1) Acetone (CAS 67-64-1) 1-methoxy-2-propanol (CAS 107-98-2)
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	Cyclohexanone (CAS 108-94-1)
<b>US. Pennsylvania RTK - Hazardous Substances</b>	Ethanol (CAS 64-17-5) Cyclohexanone (CAS 108-94-1) Acetone (CAS 67-64-1) 1-methoxy-2-propanol (CAS 107-98-2)
<b>US. Rhode Island RTK</b>	Ethanol (CAS 64-17-5) Cyclohexanone (CAS 108-94-1) Acetone (CAS 67-64-1)
<b>US - California Proposition 65 - Carcinogens &amp; Reproductive Toxicity (CRT): Listed substance</b>	Not on regulatory list.

**Section 16 - Other Information**

<b>Issue date</b>	16-October-2018
<b>Revision date</b>	15-May-2019
<b>Version #</b>	03
<b>Disclaimer</b>	This Safety Data Sheet document is provided without charge to customers of Mylan Group. Data is the most current known to Mylan Group at the time of preparation of this document and is believed to be accurate. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.