

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	SoluJET® 2707B
Synonym(s)	Not available
Registration number REACH	Not applicable (mixture)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use	Ink for inkjet printing
-----------------	-------------------------

1.3. Details of the supplier of the safety data sheet

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
------------------------	--

1.4. Emergency telephone number

Phone number:	+84-294-3846-997
---------------	------------------

Section 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards	Flammable liquids. Category 2, H225
Health hazards	Serious eye damage (Category 1), H318 Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336 Hazardous to the aquatic environment, long-term hazard (Category 3), H412

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP):

Pictograms



GHS02

GHS05

GHS07

Signal word

Danger

Hazard statements

H225- Highly flammable liquid and vapor.
H318- Causes serious eye damage

H336-May cause drowsiness or dizziness.
H412-Harmful to aquatic life with long lasting effects

Precautionary statements

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.
H261- Avoid breathing dust/fume/gas/mist/vapors/spray.
P264+P265
H271-Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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.
P303+P361+P353: IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water (or shower).
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P317: Get emergency medical help.
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

Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Disposal

P501- Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3. Other hazards

PBT Substances

None

vPvB Substances:

None

Other hazards

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 59(1) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

3.1. Substance

No

3.2. Mixtures

Hazardous Components (Chemical Name)/ REACH Registration No.	CAS Number	Concentration (%)	EC No./ EC index No	Classification
Ethanol	64-17-5	> 65	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: H226 STOT SE 3: H336
n-propanol	71-23-8	≤ 10	200-746-9 603-003-00-0	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
γ-butyrolactone	96-48-0	≤ 4	202-509-5	Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H336
Acetone	67-64-1	≤ 3	200-662-2 606-001-00-8	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Diacetone alcohol	123-42-2	≤ 2	204-626-7 603-016-00-1	Eye Irrit. 2 H319 Specific concentration limits: Eye Irrit. 2 (H319) : C>=10%
Colorant	Proprietary	≤6	Proprietary	Acute Tox. 4, H302 Aquatic Chronic 2, H411

Section 4: First-aid measures

4.1. Description of first aid measures

In case of:

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.

4.2. Most important symptoms/ effects, acute and delayed

See section 11

4.3. Indication of any immediate medical attention and special treatment needed

No special treatment needed, treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media sand, carbon dioxide (CO₂) or dry chemical.

Unsuitable extinguishing media Not available.

5.2. Special hazards arising from the substance or mixture

In case of fire, smoke and other combustion products may be formed, the inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters

Wear suitable protective suit and self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment as specified in section 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

6.4. Reference to other sections

For further and detailed information see section 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling

For further precautions information see section 2.2.

7.2 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.

7.3 Specific end uses

No specific uses are stipulated.

Section 8. Exposure controls/personal protection

8.1 Control parameters National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Notation	Identifier	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Source
GB	1-propanol	71-23-8		WEL	200	500	250	625	EH40/2005
GB	Diacetone alcohol	123-42-2		WEL	50	241	75	362	EH40/2005
EU	Acetone	67-64-1			500	1210			2000/39/EC
EU	1-methoxy-2-propanol	107-98-2		IOELV	100	375	150	568	2000/39/EC
MT	1-methoxy-2-propanol	107-98-2		OELV	100	375	150	568	CAP. 424

Relevant DNELs/DMELs/PNECs and other threshold levels

- human health values

	End point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Acetone	DNEL	2.400 mg/m ³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	1 210 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	186 mg/kg	human, dermal	worker (industry)	chronic - systemic

					effects
1-propanol	DNEL	1.723 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
	DNEL	268 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	1.723 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	136 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Diacetone alcohol	DNEL	32,6 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	240 mg/m ³	human, inhalatory	worker (industry)	
	DNEL	467 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Ethanol	DNEL	1.900 mg/m ³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	343 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	950 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
1-methoxy-2-propanol	DNEL	553.5 mg/m ³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	369 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	183 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
γ-Butyrolactone	DNEL	19 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	130 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
<ul style="list-style-type: none"> environmental values 					
	End point	Threshold level	Environmental compartment		
Ethanol	PNEC	0,79 mg/cm ³	marine water		
	PNEC	2,75 mg/cm ³	air		
	PNEC	3,6 mg/cm ³	freshwater sediment		
	PNEC	580 mg/cm ³	sewage treatment plant (STP)		
	PNEC	0,63 mg/cm ³	soil		
	PNEC	0,96 mg/cm ³	freshwater		
1-methoxy-2-propanol	PNEC	10 mg/L	freshwater		
	PNEC	1 mg/L	marine water		
	PNEC	100 mg/L	sewage treatment plant (STP)		
	PNEC	5.2 mg/kg	freshwater sediment		
	PNEC	4.59 mg/kg	soil		
Acetone	PNEC	10.6 mg/L	freshwater		

	PNEC	1.06 mg/L	marine water
	PNEC	100 mg/L	sewage treatment plant (STP)
	PNEC	30.4 mg/kg	freshwater sediment
	PNEC	29.5 mg/kg	soil
1-propanol	PNEC	10 mg/L	freshwater
	PNEC	1mg/L	marine water
	PNEC	96 mg/L	sewage treatment plant (STP)
	PNEC	22.8 mg/kg	freshwater sediment
	PNEC	2.28 mg/kg	marine sediment
	PNEC	2.2 mg/kg	soil
Diacetone alcohol	PNEC	2 mg/L	freshwater
	PNEC	0.2mg/L	marine water
	PNEC	10 mg/L	sewage treatment plant (STP)
	PNEC	7.4 mg/kg	freshwater sediment
	PNEC	0.74 mg/kg	marine sediment
	PNEC	0.31mg/kg	soil
γ -Butyrolactone	PNEC	0,02 mg/l	marine sediment
	PNEC	0,0056 mg/l	marine water
	PNEC	0,56 mg/l	air
	PNEC	0,24 mg/l	freshwater sediment
	PNEC	0,056 mg/l	freshwater
	PNEC	452 mg/l	sewage treatment plant (STP)

8.2 Exposure controls

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 and body protection

Protective suit, Safety shoes.

Hand protection



Wear appropriate chemical resistant gloves.

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.

Laundry contaminated clothing before reuse.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	Blue
Odor	Characteristic
Melting point/freezing point;	Not available.
Initial boiling point and boiling range	>70°C at 1,013 hPa - lit.
Flammability (solid, gas)	Not available.
Lower and upper explosion limit	Not available.
Flash point	20°C (closed-cup)
Decomposition temperature	Not available.
pH	Not available.
Viscosity (cPs)	Not available.
Solubility(ies)	Soluble in ethanol.
Partition coefficient: n-octanol/water	Not available.
Vapor pressure	Not available.
Density	Not available.
9.2 Other information	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	Not available.
10.2 Chemical stability	Stable at normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Heat, flames and sparks.
10.5 Incompatible materials	Not available.
10.6 Hazardous decomposition products	Hazardous combustion products: see section 5

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity value

Components	Species	Test results
Ethanol (CAS 64-17-5)		
Acute		
Inhalation (LC50)	Rat	124.7 mg/l – vapor 4 h
Oral (LD50)	Rat	10,470 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 (LD50)	Rabbit	13,000mg/kg
Acetone (CAS 67-64-1)		
Acute		
Inhalation (LC50)	Rat	50.100 mg/m ³
Oral (LD50)	Rat	5.800 mg/kg
Dermal (LD50)	Guinea pig	7.426 mg/kg
1-Propanol (71-23-8)		
Inhalation (LC50)	Rat - male and female	4 h - > 33,8 mg/l
Dermal (LD50)	Rabbit - male	4.032 mg/kg
γ-butyrolactone (CAS 96-48-0)		
Oral (LD50)	Rat	1.582 mg/kg
Inhalation (LC50)	Rat - male and female	4 h - > 5,1 mg/l
Dermal (LD50)	Guinea pig	-5.000 mg/kg
Diacetone Alcohol (CAS 123-42-2)		
Acute		
Oral (LD50)	Rat	3.002 mg/kg
Dermal (LD50)	Rabbit	13.630 mg/kg
Colorant		
Oral (LD50)	Rat	526 mg/kg
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Causes serious eye damage	
Respiratory sensitization	Not available.	
Skin sensitization	Not available.	

Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

Section 12. Ecological information

12.1 Toxicity

Aquatic toxicity

Components		Species	Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 100 mg/l, 96 hours
1-methoxy-2-propanol (CAS 107-98-2)			
Fish	LC50	<i>Oncorhynchus mykiss</i> (rainbow trout)	>1000 mg/l - 96 h
Acetone (CAS 67-64-1)			
Fish	LC50	<i>Oncorhynchus mykiss</i> (rainbow trout)	5.540 mg/l - 96 h
Daphnia and other aquatic invertebrates	LC50	<i>Daphnia magna</i> (Water flea)	8,800 mg/l - 48 h
γ-butyrolactone (CAS 96-48-0)			
Fish	static test LC50	<i>Lepomis macrochirus</i> (Bluegill sunfish)	56 mg/l - 96 h
Daphnia and other aquatic invertebrates	static test EC50	<i>Daphnia magna</i> (Water flea)	>500 mg/l - 48 h
Algae	IC50	<i>Desmodesmus subspicatus</i> (green algae)	1.000 mg/l - 72 h

Bacteria	EC20	activated sludge	4.518 mg/l – 40 hours
Diacetone Alcohol (CAS 123-42-2)			
Fish	LC50	Oryzias latipes (Orange-red killifish)	> 100 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	> 1.000 mg/l - 48 h
Algae	IC50	Pseudokirchneriella subcapitata (green algae)	1.000 mg/l - 72 h
Bacteria	EC50	activated sludge	> 1.000 mg/l - 3 h
1-Propanol (71-23-8)			
Fish	LC50	Pimephales promelas (fathead minnow)	4.555 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	3.644 mg/l - 48 h
Algae	ErC50	Pseudokirchneriella subcapitata	9.170 mg/l - 48 h
Bacteria	IC20	activated sludge	> 1.000 mg/l - 3 h
12.2 Persistence and degradability	Not available.		
12.3 Bioaccumulative potential	Not available.		
12.4 Mobility in soil	Not available.		
12.5 Results of PBT and vPvB assessment	Not available.		
12.6 Endocrine disrupting properties	Not available.		
12.7 Other adverse effects	Not available.		
Section 13. Disposal considerations			
13.1 Waste treatment methods			
Product	Dispose of waste material in accordance with local, state and federal pollution regulations.		
Contaminated packaging	When disposing of an empty container, dispose after removing contents materials completely. Only store in correctly labelled containers.		
Section 14. Transport information			
14.1 UN number			
ADR/RID: UN1210	AND: UN1210	IMDG: UN1210	IATA: UN1210
14.2 UN proper shipping name			
ADR/RID: Printing Ink	AND: Printing Ink	IMDG: Printing Ink	IATA: Printing Ink
14.3 Transport hazard class(es)			
ADR/RID: Class 3	AND: Class 3	IMDG: Class 3	IATA: Class 3
14.4 Packing group			

