SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II,
As amended by Regulation (EU) 2020/878

Issue date: Feb 09th 2021
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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	**SoluJET® 2707G**
Synonym(s)	Green ink
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 Sensitization, Skin (Category 1B), H317 Specific target organ toxicity, single exposure; Narcotic effects (Category 3), H336	

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 H317-May cause an allergic skin reaction H336- May cause drowsiness or dizziness.

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. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P264+P265 Wash hands (and …) thoroughly after handling. Do not touch eyes.
Response	P301+P312 - IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell. 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/hair: Immediately remove all contaminated clothing. Rinse skin with water / shower P363 – Wash contaminated clothing before reuse. 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	>72	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
Gamma -Butyrolactone	96-48-0	≤4	202-509-5	Acute Tox. 4: H302 Eye Dam. 1: H318 STOT SE 3: H336
Acetone	67-64-1	≤4	200-662-2 606-001-00-8	Flam. Liq. 1: H224 Eye Irrit. 2: H319 STOT SE 3: H336
N-Butanol	71-36-3	≤2	200-751-6 603-004-00-6	Flam. Liq. 3: H226 Acute Tox. 4: H302 Skin Irrit. 2: H315 Eye Dam. 1: H318 STOT SE 3: H335 STOT SE 3: H336
Green Dye	Proprietary	≤8	Proprietary	Aquatic Chronic 3:H412 Skin Sens. 1B: H317 Eye Irrit. 2: H319

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 (CO_2) 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
IE	N-Butanol	71-36-3		OELV	20				S.I. No. 619
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
EU	Acetone	67-64-1			500	1210			2000/39/EC
	Ethanol	64-17-5	Data are not available						
	γ-Butyrolactone	96-48-0							

Relevant DNELs/DMELs/PNECs and other threshold levels

- human health values

	End point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
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

N-Butanol	DNEL	310 mg/kg	human, inhalatory	worker (industry)	chronic - local effects
1-methoxy-2-propanol	DNEL	553.5 mg/m³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	369 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	183 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Acetone	DNEL	2.400 mg/m³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	1 210 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	186 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/m³	human, inhalatory	worker (industry	chronic - systemic effects

- environmental values

	End point	Threshold level	Environmental compartment
Ethanol	PNEC	0,79 mg/cm³	marine water
	PNEC	2,75 mg/cm³	air
	PNEC	3,6 mg/cm³	freshwater sediment
	PNEC	580 mg/cm³	sewage treatment plant (STP)
	PNEC	0,63 mg/cm³	soil
	PNEC	0,96 mg/cm³	freshwater
N-Butanol	PNEC	0,0082 mg/l	marine water
	PNEC	0,178 mg/kg	freshwater sediment
	PNEC	2.476 mg/l	sewage treatment plant (STP)
	PNEC	0,015 mg/kg	soil
	PNEC	0,082 mg/l	freshwater
	PNEC	2,25 mg/l	Water
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
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)
	PNEC	0,01468 mg/l	soil

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.
Launder contaminated clothing before reuse.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Liquid

Color

Green

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

15°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
N-Butanol (CAS 71-36-3)		
Oral (LD50)	Rat	790 mg/kg
Dermal (LD50)	Rabbit	3.430 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
Gamma butyrolactone (CAS 96-48-0)		
Inhalation (LC50)	Rat (male and female)	> 5.1 mg/l, 4 Hours
Dermal (LD50)	Guinea pig	>5000 mg/kg
Oral (LD50)	Rat (male and female)	1582 mg/kg
Skin corrosion/irritation	No	
Serious eye damage/eye irritation	Causes serious eye damage	
Respiratory sensitization	No	
Skin sensitization	May cause an allergic skin reaction	
Germ cell mutagenicity	No	
Carcinogenicity	No	
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness	
Specific target organ toxicity - repeated exposure	No	
Aspiration hazard	No	

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 (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
N-Butanol (CAS 71-36-3)			
Fish	LC50	Pimephales promelas (fathead minnow)	1.376 mg/l; 96 h

Daphnia and other aquatic invertebrates	EC50 NOEC	Daphnia and other aquatic invertebrates	1.328 mg/l; 48 h 4.1 mg/l – 21d
1-methoxy-2-propanol (CAS 107-98-2)			
Fish	LC50	Oncorhynchus mykiss (rainbow trout)	>1000 mg/l - 96 h
Acetone (CAS 67-64-1)			
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
Gamma butyrolactone (CAS 96-48-0)			
Fish	static test LC50	Lepomis macrochirus (Bluegill sunfish)	56 mg/l - 96 h
Daphnia and other aquatic invertebrates	static test EC50	Daphnia magna (Water flea)	>500 mg/l - 48 h
Algae	IC50	Desmodesmus subspicatus (green algae)	1.000 mg/l - 72 h
Bacteria	EC20	activated sludge	4.518 mg/l – 40 hours

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

ADR/RID:	II	AND: II	IMDG: II	IATA: II

14.5 Environmental hazards

ADR/RID: None	AND: None	IMDG: None	IATA: None

14.6 Special precautions for user None

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Section 15 - Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.
15.2. Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16 - Other Information

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