SAFETY DATA SHEET

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

Issue date: Jun 29th 2021
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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	**SoluJET® 2707W**
Synonym(s)	White 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 Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336 Sensitization, Skin(Category 1), H317 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. H317- May cause an allergic skin reaction. 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. P261- Avoid breathing dust/fume/gas/mist/vapors/spray. P272- Contaminated work clothing should not be allowed out of the workplace. P273- Avoid release to the environment. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. 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. P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor. P308+P313: IF exposed or concerned: Get medical advice/attention. 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. P303+P361+P353: IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water (or shower). P333+P313: IF SKIN irritation or rash occurs: Get medical advice/attention. P310: Immediately call a POISON CENTER or doctor/physician. P363: Wash contaminated clothing before reuse.
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	>54	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 STOT SE 3: H336 Eye Dam. 1, H318
Acetone	67-64-1	≤ 3	200-662-2 606-001-00-8	Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336
1-butanol	71-36-3	≤ 3	200-751-6 603-004-00-6	Flam. Liq. 3: H226 Acute Tox. 4: H302 STOT SE 3: H335 STOT SE 3: H336 Skin Irrit. 2: H315 Eye Dam. 1: H318
Diacetone Alcohol	123-42-2	<3	204-626-7 603-016-00-1	Eye Irrit. 2 H319 Specific concentration limits: Eye Irrit. 2 (H319) : C>=10%
Colorant	Proprietary	≤ 17	NA	Skin Sens. 1B: H317 Aquatic Chronic 3: H412

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

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel	Keep unprotected people away, allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.
6.1.2. For emergency responders	Use personal protective clothing. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and materials for containment and cleaning up

Take up liquid spill into absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

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	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
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.

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	1-butanol	71-36-3		OELV	20				S.I. No. 619 of 2001
EU	1-methoxy-2-	107-98-2		IOELV	100	375	150	568	2000/39/

	propanol								EC
MT	1-methoxy-2-propanol	107-98-2		OELV	100	375	150	568	CAP. 424
GB	n-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
	Ethanol	64-17-5	Data are not available						

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/m³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	343 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	950 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
1-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
Diacetone alcohol	DNEL	32,6 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	240 mg/m³	human, inhalatory	worker (industry)	acute- local effects
	DNEL	467 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
n-propanol	DNEL	1.723 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
	DNEL	268 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
	DNEL	1.723 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
	DNEL	136 mg/kg bw/day	human, dermal	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
Diacetone alcohol	PNEC	0.2 mg/L	marine water
	PNEC	7.4 mg/kg	freshwater sediment
	PNEC	2 mg/L	freshwater
	PNEC	10 mg/L	sewage treatment plant (STP)
	PNEC	0.31 mg/kg	soil
	PNEC	0.74 mg/kg	marine sediment
n-propanol	PNEC	1 mg/L	marine water
	PNEC	2.28 mg/kg	marine sediment
	PNEC	22.8 mg/kg	freshwater sediment
	PNEC	10 mg/L	freshwater
	PNEC	96 mg/L	sewage treatment plant (STP)
	PNEC	2.2 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-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

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 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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	White
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	19°C (closed-cup)
Decomposition temperature	Not available.
pH	Not available.
Viscosity (cPs)	Not available.
Solubility(ies)	Dispersion 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
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-butanol (CAS 71-36-3)		
Acute		
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
Diacetone alcohol (123-42-2)		
Oral (LD50)	Rat	3,002 mg/kg
n-propanol (71-23-8)		
Oral (LD50)	Rat	1,870 mg/kg
Dermal (LD50)	Rabbit	5,040 mg/kg

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye	Causes serious eye damage

irritation	
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Specific target organ toxicity - single exposure	Not available.
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 (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
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
1-butanol (CAS 71-36-3)			
Aquatic			
Fish	LC50	Pimephales promelas (fathead minnow)	1.376 mg/l; 96 h
Daphnia and other aquatic invertebrates	EC50 NOEC	Daphnia magna (Water flea)	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

Diacetone alcohol (123-42-2)			
Fish	LC50	Lepomis macrochirus	420 mg/L, 96h
Water Flea	EC50	Daphnia magna	8750 mg/L, 24h
n-propanol (71-23-8)			
Fish	EC50	Pimephales promelas (fathead minnow)	4.555 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	3.642 mg/l - 48 h
Toxicity to algae	EC50	Pseudokirchneriella subcapitata (green algae)	9.170 mg/l - 48 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	This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.
Sewage disposal-relevant information	Do not empty into drains.
Contaminated packaging	Not available.
13.2 Relevant provisions relating to waste	The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
13.3 Remarks	Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

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 Packaging 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

Not applicable

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

Issue date	29-June-2021
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