SAFETY DATA SHEET

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

Issue date: May 10th 2022
Revision date: Nov 20th 2025

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

1.1. Product identifier

Product name	**SoluJET® 2770K Plus**
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, Long Duc Ward, Vinh Long Province, Vietnam Tel. +84-294-3846-997 E-mail address: info@mylangroup.com Website: www.mylangroup.com

1.4. Emergency telephone number

Name	Address	Telephone	Website
Poison control center - Bach Mai Hospital	Bach Mai poison control center, A9, 78 Giai Phong Street, Dong Da, Ha noi, Viet Nam	+84 (0)243 869 3731	www.chongdoc.org.vn

Hours of operation: 8.00-17.00 Monday-Friday

Section 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Product definition : Mixture

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

Physical hazards	Flammable liquids. Category 2, H225
Health hazards	Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 4), H312 Specific target organ toxicity - single exposure (Category 1), H370 Serious eye damage (Category 1), H318 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 GHS08 GHS05 GHS07
Signal word	**Danger**
Hazard statements	H225 - Highly flammable liquid and vapor. H302 + H312 + H332- Harmful if swallowed, in contact with skin or if inhaled. H318- Causes serious eye damage H370- Causes damage to organs. 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 - Wash hands (and ...) thoroughly after handling. Do not touch eyes. 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 57(f) 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	EC Number	Concentration (%)	Classification
Methanol	67-56-1	200-659-6	<30	Flam. Liq. 2: H225 Acute Tox.(O) 3: H301 Acute Tox.(D) 3: H311 Acute Tox.(I) 3: H331 STOT (SE) 1: H370
Ethanol	64-17-5	200-578-6	≤27	Flam. Liq. 2, H225 Eye Irrit. 2, H319
1-methoxy-2-propanol	107-98-2	203-539-1	<15	Flam. Liq. 3: H226 STOT SE 3: H336
Cyclohexanone	108-94-1	203-631-1	<10	Flam. Liq. 3:H226 Eye Dam. 1: H318 Acute Tox.(I) 4: H332
tert-alkyl(C12-C14)ammonium bis(1-((2-hydroxy-5-nitrophenyl)azo)-2-naphthalenolato(2-))-chromate(1-)	117527-94-3	Proprietary	<8	Aquatic Chronic 2: H411
Acetone	67-64-1	200-662-2	<5	Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336
Ethyl-3-Ethoxypropionate	763-69-9	212-112-9	<5	Flam. Liq. 3:H226

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in 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

For non-emergency personnel
(a) the wearing of suitable protective equipment (including personal protective equipment referred to under section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing;
(b) removal of ignition sources, provision of sufficient ventilation, control of dust; and
(c) emergency procedures such as the need to evacuate the danger area or to consult an expert.
For personal protection see 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

Advice on protection against fire and explosion
Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures
Change contaminated clothing. Wash hands after working with substance. 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
EU	Methanol	67-56-1		IOELV	200	260			2006/15/EC
IE	Methanol	67-56-1		OELV	200	260			S.I. No. 619 of 2001

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
EU	Cyclohexanone	108-94-1		IOELV	10	40.8	20	81.6	2000/39/EC
MT	Cyclohexanone	108-94-1		OELV	10	40.8	20	81.6	L.N. 227

Notation
STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)
i Inhalable fraction
r Respirable fraction

Relevant DNELs/DMELs/PNECs and other threshold levels

- human health values

	End point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Methanol	DNEL	260mg/m³	human, inhalatory	worker (industry)	acute - local effects
	DNEL	40mg/kg	human, dermal	worker (industry)	acute- systemic effects
	DNEL	260mg/m³	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	260mg/m³	human, inhalatory	worker (industry)	chronic - local effects
	DNEL	40mg/kg	human, dermal	worker (industry)	chronic- systemic effects
	DNEL	260mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
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
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
Cyclohexanone	DNEL	20 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	20 mg/m³	human, inhalatory	worker (industry)	chronic – local effects
	DNEL	20 mg/m³	human, inhalatory	worker (industry)	chronic - systemic 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
ethyl 3-ethoxypropionate	DNEL	102 mg/kg	human, dermal	worker (industry	chronic - systemic effects
	DNEL	610 mg/kg	human, inhalatory	worker (industry	chronic - systemic effects

- environmental values

	End point	Threshold level	Environmental compartment

Methanol	PNEC	20,8 mg/l	freshwater
	PNEC	2,08 mg/	marine water
	PNEC	100 mg/l	sewage treatment plant (STP)
	PNEC	77 mg/kg	freshwater sediment
	PNEC	7,7 mg/kg	marine sediment
	PNEC	100 mg/kg	soil
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
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
Cyclohexanone	PNEC	0,0329 mg/cm^3	marine water
	PNEC	0,0951 mg/cm^3	freshwater sediment
	PNEC	0,0329 mg/cm^3	freshwater
	PNEC	0,0143 mg/cm^3	soil
ethyl 3-ethoxypropionate	PNEC	0.00609 mg/l	marine water
	PNEC	0.048 mg/kg	soil
	PNEC	0.419 mg/kg	freshwater sediment
	PNEC	0.0609 mg/l	freshwater
	PNEC	50 mg/l	sewage treatment plant (STP)
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

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	Black
Odor	Characteristic
Melting point/freezing point;	Not available.
Boiling point or 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	17°C (closed-cup)
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
pH	Not available.
Viscosity (cPs)	1.5 – 3.0 cPs at 25ºC
Solubility(ies)	Soluble in ethanol.
Partition coefficient n-octanol/water (log value)	Not available.
Vapor pressure	Not available.
Density and/or relative density	Not available.
Relative vapour density	Not available.
Particle characteristics	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**
Methanol (CAS 67-56-1)		
Inhalation (LC50)	Rat	128.2mg/l, 4 Hours 87.6mg/l, 6 Hours
Oral (LD50, LDLO)	Rat Human	1.187 - 2.769 mg/kg 143mg/kg
Dermal (LD50)	Rabbit	17.100 mg/kg
Ethanol (CAS 64-17-5)		
Inhalation (LC50)	Rat	124.7 mg/l – vapor 4 h
Oral (LD50)	Rat	10,470 mg/kg
Acetone (CAS 67-64-1)		
Inhalation (LC50)	Rat	50.100 mg/m^3
Oral (LD50)	Rat	5.800 mg/kg
Dermal (LD50)	Guinea pig	7.426 mg/kg
Cyclohexanone (CAS 108-94-1)		
Inhalation (LC50)	Rat	> 6.2 mg/l, 4 Hours
Oral (LD50)	Rat	1,534 mg/kg
Dermal (LD50)	Guinea pig	3,160 mg/kg
ethyl 3-ethoxypropionate (CAS 763-69-9)		
Oral (LD50)	Rat	4309 mg/kg
Dermal (LD50)	rabbit	4080 mg/kg
1-methoxy-2-propanol (CAS 107-98-2)		
Inhalation (LC50)	Rat	10,000 mg/l, 5 Hour
Oral (LD50)	Mouse	11,700mg/kg
Dermal (LD50)	Rabbit	13,000mg/kg

Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Causes serious eye damage
Respiratory or skin sensitisation	Not available.

Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
STOT-single exposure;	May cause drowsiness or dizziness.
STOT-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**
Methanol (CAS 67-56-1)			
Fish	LC50 NOEC	Lepomis macrochirus (Bluegill) Oryzias latipes	15.400,0 mg/l - 96 h 7.900 mg/l - 200 h
Crustacea	EC50	Water flea (Daphnia magna)	0.000,00 mg/l - 48 h
Ethanol (CAS 64-17-5)			
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
Cyclohexanone (CAS 108-94-1)			
Daphnia and other aquatic invertebrates	LC50	Daphnia magna (Water flea)	820 mg/l - 24 h
ethyl 3-ethoxypropionate (CAS 763-69-9)			
Fish	static test LC50	Lepomis macrochirus (Bluegill sunfish)	60.9 mg/l - 96 h
Daphnia and other aquatic invertebrates	EC50	Daphnia magna (Water flea)	785 mg/l-48h
Algae	IC50	Desmodesmus subspicatus (green algae)	>114.86 mg/l - 72 h
1-methoxy-2-propanol (CAS 107-98-2)			
Fish	LC50	Oncorhynchus mykiss (rainbow trout)	>1000 mg/l - 96 h

12.2 Persistence and degradability	Data are not available.
12.3 Bioaccumulative potential	Does not significantly accumulate in organisms.
12.4 Mobility in soil	Data are not available.
12.5 Results of PBT and vPvB assessment	According to the results of its assessment, this substance is not a PBT or a vPvB
12.6 Endocrine disrupting properties	Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.
12.7 Other adverse effects	Data are 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

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

Vietnam National legislation	This material safety data sheet complies with the requirements of Vietnam National legislation as the followings: - Law on Chemicals (No. 06/2007/QH12) of The National Assembly dated November 21, 2007. - Decree No. 113/2017/ND-CP of The Government dated October 09, 2017, specifying, and providing guidelines for implementation of certain articles of the law on chemicals. - Decree No. 82/2022/ND-CP of The Government dated October 18, 2022, on amendments to some articles of Decree No. 113/2017/ND-CP specifying and providing guidelines for implementation of certain

articles of the Law on chemicals.
- Circular No. 32/2017/TT-BCT of Ministry of Industry and Trade dated December 28, 2017, specifying, and providing guidelines for implementation of certain articles of the Law on Chemicals and Decree 113/2017/ND-CP specifying and providing guidelines for implementation of certain articles of the Law on Chemicals.
- Circular No. 17/2022/TT-BCT of Ministry of Industry and Trade date October 27, 2022, on amendments to some articles of Circular No. 32/2017/TT-BCT on elaboration and provision of guidelines for implementation of certain articles of the Law on Chemicals and the Government's Decree No. 113/2017/ND-CP on elaboration and provision of guidelines for implementation of certain articles of The Law on Chemicals.
- Decree No. 161/2024/ND-CP of The Government dated December 18, 2024 on list of dangerous goods, transport of dangerous goods and procedures for issuance of licenses or certificates of completion of training programs for drivers or escorts transporting dangerous goods by road.
- National technical regulation code QCVN 05:2020/BCT on safety in production, commerce, use, storage, and transportation of hazardous chemicals.
- Circular No. 19/2024/TT-BCT of Ministry of Industry and Trade dated October 10, 2024 on promulation of Amendment 1:2024 QCVN 05:2020/BCT on safety in production, commerce, use, storage, and transportation of hazardous chemicals
- Decree No. 33/2024/ND-CP of The Government dated March 27, 2024, on implementing the convention on the prohibition of the development, production, stockpiling and use of chemical weapons and on their destruction (if any)
- Sale and purchase of toxic chemicals shall be recorded in accordance with Article 23 of the Law on Chemicals. The use of industrial precursor chemicals shall be prepared a logbook to monitor in accordance with regulations of Chapter V of the Law on Chemicals (if any).
- Chemical-related activities must comply with other relevant provisions of law.

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).

Other regulations

National inventories	Status
European Inventory of Existing Commercial Chemical Substances (EINECS)	One or more components of this product are NOT included on this List
U.S. TSCA Chemical Substance Inventory	One or more components of this product are NOT included on this List
U.S. California The Proposition 65 List	Methanol
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed.

	China,Taiwan Chemical Substance Inventory (TCSI)	Listed.
	New Zealand Inventory of Chemicals (NZIoC)	Listed.
	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed.
	Vietnam National Chemical Inventory	Listed.
	Canada Domestic Substances List (DSL)	One or more components of this product are NOT included on this List
	Japan Existing and New Chemical Substances Inventory (ENCS)	One or more components of this product are NOT included on this List
	Korea Existing Chemicals List (KECL)	Listed.
	Australian Inventory of Industrial Chemicals (AIIC)	Listed.
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	10 May 2022	
Revision date	20 November 2025	
Version #	1.2	
Disclaimer	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.	