

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

1.1. Product identifier

Product name **SecuJET® 2550R**

Synonym(s) Invisible UV fluorescent 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
 E-mail address: info@mylangroup.com

1.4. Emergency telephone number

Name	Address	City	Telephone	Website
Poison Control Center	Bach Mai Hospital 78 Giai Phong Avenue Dong Da District	Ha Noi	+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 Serious eye damage (Category 1), H318

2.2. Label elements

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

Pictograms



GHS02 GHS05

Signal word

Danger

Hazard statements	H225 - Highly flammable liquid and vapor. H318- Causes serious eye damage
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. P264+P265 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response	P305+P354+P338- IF IN EYES: Immediately rinse 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). 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
Ethanol	64-17-5	200-578-6	>85	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Cyclohexanone	108-94-1	203-631-1	<5	Flam. Liq. 3:H226 Acute Tox.(I) 4: H332 Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Skin Irrit. 2: H315 Eye Dam. 1: H318

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	Cyclohexanone	108-94-1		IOELV	10	40.8	20	81.6	2000/39/E C
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
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
Cyclohexanone	DNEL	20 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	20 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects

	DNEL	20 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		
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		

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	Slight yellow
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	15°C (closed-cup)	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
pH	Not available.	
Viscosity (cPs)	Not available.	
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
Ethanol (CAS 64-17-5)		
Acute		
Inhalation (LC50)	Rat	124.7 mg/l – vapor 4 h
Oral (LD50)	Rat	10,470 mg/kg
Cyclohexanone (CAS 108-94-1)		

Acute

Inhalation (LC50)	Rat	> 6.2 mg/l, 4 Hours
Dermal (LD50)	rabbit	3,160 mg/kg
Oral (LD50)	Rat	1,534 mg/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;

Not available.

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****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

Cyclohexanone (CAS 108-94-1)

Daphnia and other aquatic invertebrates	LC50	Daphnia magna (Water flea)	820 mg/l - 24 h
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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 $\geq 0,1\%$.			
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				
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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