

# SAFETY DATA SHEET

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

Issue date: Mar 18<sup>th</sup> 2016  
Revision date: Oct 10<sup>th</sup> 2024

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

### 1.1. Product identifier

Product name **SecuJET® 2550B**

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	>80	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Cyclohexanone	108-94-1	203-631-1	<10	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 (CO<sub>2</sub>) 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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 <sup>3</sup>	human, inhalatory	worker (industry)	acute- systemic effects
	DNEL	343 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	950 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Cyclohexanone	DNEL	20 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
	DNEL	20 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic – local effects

	DNEL	20 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
<ul style="list-style-type: none"> <li>environmental values</li> </ul>					
	End point	Threshold level		Environmental compartment	
Ethanol	PNEC	0,79 mg/cm <sup>3</sup>		marine water	
	PNEC	2,75 mg/cm <sup>3</sup>		air	
	PNEC	3,6 mg/cm <sup>3</sup>		freshwater sediment	
	PNEC	580 mg/cm <sup>3</sup>		sewage treatment plant (STP)	
	PNEC	0,63 mg/cm <sup>3</sup>		soil	
	PNEC	0,96 mg/cm <sup>3</sup>		freshwater	
Cyclohexanone	PNEC	0,0329 mg/cm <sup>3</sup>		marine water	
	PNEC	0,0951 mg/cm <sup>3</sup>		freshwater sediment	
	PNEC	0,0329 mg/cm <sup>3</sup>		freshwater	
	PNEC	0,0143 mg/cm <sup>3</sup>		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

<b>Physical state</b>	Liquid
<b>Color</b>	Slight yellow
<b>Odor</b>	Characteristic
<b>Melting point/freezing point;</b>	Not available.

<b>Boiling point or initial boiling point and boiling range</b>	>70°C at 1,013 hPa - lit.	
<b>Flammability (solid, gas)</b>	Not available.	
<b>Lower and upper explosion limit</b>	Not available.	
<b>Flash point</b>	16°C (closed-cup)	
<b>Auto-ignition temperature</b>	Not available.	
<b>Decomposition temperature</b>	Not available.	
<b>pH</b>	Not available.	
<b>Viscosity (cPs)</b>	Not available.	
<b>Solubility(ies)</b>	Soluble in ethanol.	
<b>Partition coefficient n-octanol/water (log value)</b>	Not available.	
<b>Vapor pressure</b>	Not available.	
<b>Density and/or relative density</b>	Not available.	
<b>Relative vapour density</b>	Not available.	
<b>Particle characteristics</b>	Not available.	
<b>9.2 Other information</b>	Not available.	
<b>Section 10. Stability and reactivity</b>		
<b>10.1 Reactivity</b>	Not available.	
<b>10.2 Chemical stability</b>	Stable at normal conditions.	
<b>10.3 Possibility of hazardous reactions</b>	None known.	
<b>10.4 Conditions to avoid</b>	Heat, flames and sparks.	
<b>10.5 Incompatible materials</b>	Not available.	
<b>10.6 Hazardous decomposition products</b>	Hazardous combustion products: see section 5	
<b>Section 11. Toxicological information</b>		
<b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>		
<b>Acute toxicity value</b>		
<b>Components</b>	<b>Species</b>	<b>Test results</b>
<b>Ethanol (CAS 64-17-5)</b>		
<b>Acute</b>		
Inhalation (LC50)	Rat	124.7 mg/l – vapor 4 h
Oral (LD50)	Rat	10,470 mg/kg
<b>Cyclohexanone (CAS 108-94-1)</b>		

**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.

<b>12.5 Results of PBT and vPvB assessment</b>	According to the results of its assessment, this substance is not a PBT or a vPvB			
<b>12.6 Endocrine disrupting properties</b>	Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0,1%.			
<b>12.7 Other adverse effects</b>	Data are not available.			
Section 13. Disposal considerations				
<b>13.1 Waste treatment methods</b>				
<b>Product</b>	Dispose of waste material in accordance with local, state and federal pollution regulations.			
<b>Contaminated packaging</b>	When disposing of an empty container, dispose after removing contents materials completely. Only store in correctly labelled containers.			
Section 14. Transport information				
<b>14.1 UN number</b>				
<b>ADR/RID:</b>	UN1210	AND: UN1210	IMDG: UN1210	IATA: UN1210
<b>14.2 UN proper shipping name</b>				
<b>ADR/RID:</b>	Printing Ink	AND: Printing Ink	IMDG: Printing Ink	IATA: Printing Ink
<b>14.3 Transport hazard class(es)</b>				
<b>ADR/RID:</b>	Class 3	AND: Class 3	IMDG: Class 3	IATA: Class 3
<b>14.4 Packing group</b>				
<b>ADR/RID:</b>	II	AND: II	IMDG: II	IATA: II
<b>14.5 Environmental hazards</b>				
<b>ADR/RID:</b>	None	AND: None	IMDG: None	IATA: None
<b>14.6 Special precautions for user</b>				
Not applicable				
<b>14.7 Maritime transport in bulk according to IMO instruments</b>				
Not applicable				
Section 15 - Regulatory Information				
<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>				
<b>EU legislation</b>	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).			
<b>Guidance</b>	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.			
<b>15.2. Chemical safety assessment</b>	No chemical safety assessment has been carried out.			
Section 16 - Other Information				



<b>Issue date</b>	18-March-2016
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