SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

1.1 Product identifier

- Product Name: Dark Blue
- UFI:

1.2 Relevant identified uses of the substance or mixture and uses advised against

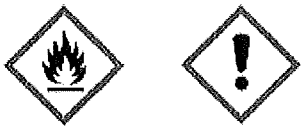
- Use of the substance/mixture: Preparation for use in writing instruments
- Use advised against: There are no recommended or established controls for this product

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3

2.2 Label elements



- Signal Word: Danger

2.2.1 Hazard statements

H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

SECTION 2: Hazards identification (....)

2.2.2 Precautionary statements

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

2.2.3 Supplemental Hazard information (EU)

Not applicable

2.3 Other hazards

- The product does not contain >= 0.1% ingredients with endocrine-disrupting properties, or having ingredients with properties disrupting the functioning of the endocrine system, in the list established in accordance with the criteria set out in Art. 59 sec. 1 of Regulation 2017/2100/EU or Regulation 2018/605/EU.
- This mixture/product doe not contain any substances known to fulfil the criteria for PBT / vPvB classification.
- Low hazard expected under normal conditions of use
- Low toxicity expected under normal conditions of use

SECTION 3: Composition/information on ingredients

3.2 Mixtures

	CAS Number	EC Number	Concentration	Specific Concentration Limits	M factor	Acute toxicity estimate
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	63%	None assigned		
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	200-661-7	18.8%	None assigned		
[4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride (Basic Blue 7)	2390-60-5	219-232-0	2.7%	None assigned		
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	509-34-2	208-096-8	1%	None assigned		

	Categories	Symbols	H Statements	M factor, acute
1-methoxy-2-propanol; monopropylene glycol methyl ether	Flam. Liq. 3 STOT SE 3	GHS02 GHS07	H226;H336	
propan-2-ol; isopropyl alcohol; isopropanol	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	GHS02 GHS07	H225 H319: H336	

SECTION 3: Composition/information on ingredients (....)

[4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride (Basic Blue 7)	Acute Tox. 3 Eye Irrit. 2 Aquatic Acute 1	GHS06 GHS09	H301 H319 H400	
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	Acute Tox. 4 Eye Irrit. 2 Aquatic Chronic 2	GHS09 GHS07	H302 H319 H411	

SECTION 4: First aid measures

4.1 Description of first aid measures

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek immediate medical attention
- Continue flushing with water until medical help arrives

4.2 Most important symptoms and effects, both acute and delayed

- Causes serious eye irritation.
- May cause dizziness
- May cause drowsiness

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- Contact supplier for further information

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Highly Flammable
- Low hazard expected under normal conditions of use
- Highly flammable liquid and vapour.

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
- Keep container(s) exposed to fire cool, by spraying with water
- Prevent run off water from entering drains if possible

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources
- Use non-sparking handtools

SECTION 6: Accidental release measures (....)

- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
- Do not allow to enter public sewers and watercourses
- Ventilate area

6.2 Environmental precautions

- Contain spillage by any means possible
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Place in appropriate container
- Dispose of contents/container to an authorised waste collection point

6.4 Reference to other sections

- See Section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Eyewash bottles should be available
- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep in highly flammable materials store
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this substance

Substances

	DNEL (Consumer; dermal, long term local effects)	DNEL (Consumer; dermal, long term systemic effects)	DNEL (Consumer; dermal, short term local effects)	DNEL (Consumer; dermal, short term systemic effects)	DNEL (Consumer; inhalational, long term local effects)	DNEL (Consumer; inhalational, long term systemic effects)

SECTION 8: Exposure controls/personal protection (....)

1-methoxy-2-propanol; monopropylene glycol methyl ether	No hazard identified	78 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	43.9 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	No hazard identified	206 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	89 mg/m3
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	Medium hazard	1.24 mg/kg bw/day	Medium hazard	Medium hazard	Medium hazard	1.83 mg/m3

Substances

	DNEL (Consumer; inhalational, short term local effects)	DNEL (Consumer; inhalational, short term systemic effects)	DNEL (Consumer; oral, long term local effects)	DNEL (Consumer; oral, long term systemic effects)	DNEL (Consumer; oral, short term systemic effects)	DNEL (Industry ; dermal, long term local effects)
1-methoxy-2-propanol; monopropylene glycol methyl ether	No hazard identified	No hazard identified	No hazard identified	33 mg/kg bw/day	No hazard identified	No hazard identified
propan-2-ol; isopropyl alcohol; isopropanol	No hazard identified	No hazard identified	No hazard identified	26 mg/kg bw/day	No hazard identified	No hazard identified
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	Medium hazard	Medium hazard	Medium hazard	1.24 mg/kg bw/day	Medium hazard	Medium hazard

Substances

	DNEL (Industry; dermal, long term systemic effects)	DNEL (Industry; dermal, short term local effects)	DNEL (Industry; dermal, short term systemic effects)	DNEL (Industry; inhalational, long term local effects)	DNEL (Industry; inhalational, long term systemic effects)	DNEL (Industry; inhalationa l, short term local effects)
1-methoxy-2-propanol; monopropylene glycol methyl ether	183 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	369 mg/m3	553.5 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	888 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	500 mg/m3	No hazard identified
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	3.46 mg/kg bw/day	Medium hazard	Medium hazard	Medium hazard	12.2 mg/m3	Medium hazard

Substances

	DNEL (Industry; inhalational, short term systemic effects)
1-methoxy-2-propanol; monopropylene glycol methyl ether	553.5 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	No hazard identified
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	Medium hazard

SECTION 8: Exposure controls/personal protection (....)

8.2 Exposure controls

- No special precautions are required for this product

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Blue
- Odour: Alcohol odour
- Melting point/Range: Not applicable
- Boiling Point/Range: Not available
- Auto-ignition point: 287 °C
- Flammability: Highly Flammable
- pH: 3-11
- Solubility in water: Partly miscible with water
- Density: 0.96 g/cm^3
- Flashpoint: 12°C

9.2 Other information

- None

SECTION 10: Stability and reactivity

10.1 Reactivity

- Considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
- May form explosive vapour/air mixtures

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- Incompatible with acids and alkalis
- Incompatible with strong oxidizing substances

SECTION 10: Stability and reactivity (....)

10.6 Hazardous decomposition products

- Forms hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Acute toxicity

Estimated LD_{50} (oral) (ATE) : >2000 mg/kg

Estimated LD_{50} (dermal) (ATE) : >4000 mg/kg

Estimated LC_{50} (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Substances

	LD_{50} (dermal)	LD_{50} (oral)	LC_{50} (inhalation)
1-methoxy-2-propanol; monopropylene glycol methyl ether	2000 mg/kg bw (rat)	3739 - 4277 mg/kg bw (rat)	6000 – 7000 ppm 4 h (mouse)
propan-2-ol; isopropyl alcohol; isopropanol	16.4 ml/kg bw (rabbit)	5840 mg/kg bw (rat)	10, 000 ppm 6h (rat)
[4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride (Basic Blue 7)	No data available	No data available	No data available
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	4 095.376 mg/kg bw (rabbit)	500 - 1 185.214 mg/kg bw (rat)	No data available

11.1.2 Skin corrosion/irritation

Not classified

11.1.3 Serious eye damage/irritation

Not classified

11.1.4 Respiratory or skin sensitisation

Not classified

11.1.5 Germ cell mutagenicity

Not classified

11.1.6 Carcinogenicity

Not classified

11.1.7 Reproductive toxicity

Not classified

11.1.8 STOT (specific target organ toxicity) - single exposure

Not classified

SECTION 11: Toxicological information (....)

11.1.9 STOT (specific target organ toxicity) - repeated exposure

Not classified

11.1.10 Aspiration hazard

Not classified

11.2 Information on other hazards

- Not applicable

SECTION 12: Ecological information

12.1 Toxicity

- No information available

Substances

	LC_{50} (fish)	PNEC (Fresh water)	PNEC (Marine water)	PNEC (Sediment; fresh water)	PNEC (Sediment; marine water)	PNEC (Soil)
1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - 20.8 g/L (4 days)	10 mg/L	1 mg/L	52.3 mg/kg d.w.	5.2 mg/kg d.w.	4.9 mg/kg d.w.
propan-2-ol; isopropyl alcohol; isopropanol	9.64 - 10 g/L	140.9 mg/L	140.9 mg/L	552 mg/kg d.w.	552 mg/kg d.w.	28 mg/kg d.w.
[4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride (Basic Blue 7)	No data available					
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	50 mg/L (4 days)	3.4 ug/L	340 ng/L	176 ug/kg d.w.	17.6 ug/kg d.w.	33.1 ug/kg d.w.

Substances

	PNEC (STP)
1-methoxy-2-propanol; monopropylene glycol methyl ether	100 mg/L
propan-2-ol; isopropyl alcohol; isopropanol	2.251 g/L
[4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride (Basic Blue 7)	
3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one (Solvent Red 49)	10 mg/L

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

SECTION 12: Ecological information (....)

- partly miscible with water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- The product does not contain >= 0.1% ingredients with endocrine-disrupting properties, or having ingredients with properties disrupting the functioning of the endocrine system, in the list established in accordance with the criteria set out in Art. 59 sec. 1 of Regulation 2017/2100/EU or Regulation 2018/605/EU.

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container to an authorised waste collection point

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: 1263

14.2 UN proper shipping name

- Proper Shipping Name: PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- ADR Classification Code: F1
- Tunnel Restriction Code: 2 (D/E)
- Tunnel Tank Restriction Codes: L1.5BN

14.7 Maritime transport in bulk according to IMO instruments

SECTION 14: Transport information (....)

- Not applicable

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 1263
- Proper Shipping Name: PAINT RELATED MATERIAL
- ADR Hazard Class: 3
- ADR Packing Group: II

14.9 Sea (IMDG)

- IMDG UN No.: 1263
- Proper Shipping Name: PAINT RELATED MATERIAL
- IMDG Hazard Class: 3
- IMDG Packing Group.: II

14.10 Air (ICAO/IATA)

- ICAO UN No.: 1263
- Proper Shipping Name: PAINT RELATED MATERIAL
- ICAO Hazard Class: 3
- ICAO Packing Group: II

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878
- Refer to current CLP Regulations
- Refer to current ADR Regulations

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H301: Toxic if swallowed. H302: Harmful if swallowed. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.

Date of Last Change: 2 Oct 2025

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products regarding safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal

SECTION 16: Other information (....)

relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.