

Date of issue: 18.03.2019 Replaces Data Sheet of: ---
"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade Name: Pelikan blanco® Fluid / Pelikan blanco® Pen
Article No.: n.av.
Preparation No.: n.av.
Registration No.: n.ap.
UFI - Code: 76HM-16P9-900J-7CE7

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

Identified uses: correction means

1.3 Details of the supplier of the safety data sheet**1.3.1 Address of the Company / Supplier:**

Pelikan Vertriebsgesellschaft mbH & Co. KG, Werttstraße 9, D- 30163 Hannover
Telephone: +49-511-6969-0, Telefax: +49-511-6969-212, E-Mail: info@pelikan.com

1.3.2 Responsible for the data sheet:

CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de

1.4 Emergency telephone number

Emergency - Telephone of Company / Undertaking	Information Centre Specialising in Symptoms of Poisoning
Telephone: +49-361-730730 (8:30 – 16:30)	Telephone: +44 870 600 6266

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / STOT SE 3; H336 / Aquatic Chronic 2; H411

2.2 Label elements

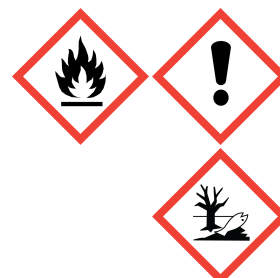
Classification according to 1272/2008/EC: Yes.

Applicable Exemptions: Yes.

Signal word(s): Warning

Component(s): contains Methylcyclohexane

Hazard pictogram(s):

**H - Phrases:**

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

P - Phrases:

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents / container to municipal collection point.

Additional Markings:

EUH066: Repeated exposure may cause skin dryness or cracking. In use may form flammable/explosive vapour-air mixture. tactile warning of danger

2.3 Other hazards

This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Solvent mixture

Dangerous Ingredients:

Material	Index - No.	EC - No.	REACH - No.	m% - range
CAS - No. Hazard Code(s) / H - phrases				
Methylcyclohexane	601-018-00-7	203-624-3	01-2119556887-18-XXXX	40 - 45%
Flam. Liq. 2; H225 / Asp. Tox. 1; H304 / Skin Irrit. 2; H315 / STOT SE 3; H336 / Aquatic Chronic 2; H411				

Text of H - phrases: see section 16

m% - range: x - y ≙ x ≥ - < y

SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

4.1.2 Skin Contact:

Rinse with water. If symptoms persist, call a physician.

4.1.3 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.

If symptoms persist, call a physician.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water.

Do not induce vomiting.

Consult a physician for severe cases.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Prolonged skin contact may defat the skin and produce dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Use water spray to cool unopened containers.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Keep away from sources of ignition - No smoking.
- 6.2 **Environmental precautions**
Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
 - 7.1.1 **Precautions for Safe Handling:**
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
When using, do not eat, drink or smoke.
Take off all contaminated clothing immediately.
Wash hands before breaks and at the end of workday.
 - 7.1.2 **Precautions in Case of Fire and Explosion:**
Keep away from sources of ignition - No smoking.
Take measures to prevent the build up of electrostatic charge.
- 7.2 **Conditions for safe storage, including any incompatibilities**
 - 7.2.1 **Storage Instructions:**
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep in an area equipped with solvent resistant flooring. Protect from frost, heat and sunlight.
 - 7.2.2 **Store away from:**
Do not store together with oxidizing agents
 - 7.2.3 **Further Information on Storage Conditions:**
Provide adequate ventilation.
Vapours are heavier than air and may spread along floors.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material		Limit Value
Methylcyclohexane		AGW: 200 ppm 810 mg/m³
- 8.2 **Exposure controls**
 - 8.2.1 **Appropriate engineering controls**
Provide appropriate exhaust ventilation at machinery.
 - 8.2.2 **Individual protection measures**
 - 8.2.2a **Respiratory Protection:** Breathing apparatus needed only when aerosol or mist is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Recommended Filter type: A
 - 8.2.2b **Hand Protection:** Protective gloves complying with EN 374. Viton Break through time > 8h The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
 - 8.2.2c **Eye Protection:** safety glasses
 - 8.2.2d **Skin Protection:** long sleeved clothing
 - 8.2.2e **Further Information:** Observe wearing time limits: Not applicable
 - 8.2.3 **Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: white	Odour: characteristic
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	35, closed cup	
9.1.5	Flammability:	n.ap.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability:	n.av.	
9.1.8	Oxidising properties:	n.av.	
9.1.9	Explosion hazard:	n.av.	
9.1.10	Explosion limits (Vol.%) lower:	1,2, upper: 6,7	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	1,10 – 1,13	
9.1.13	Solubility (in Water):	n.av.	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	> 20,5 mPa*s	
9.1.16	Solvent content (m %):	n.av.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	None.
10.2	Chemical stability
	Stable under normal conditions.
10.3	Possibility of hazardous reactions
	In use, may form flammable/explosive vapour-air mixture.
10.4	Conditions to avoid
	Extremes of temperature and direct sunlight.
10.5	Incompatible materials
	Incompatible with oxidizing agents.
10.6	Hazardous decomposition products
	No decomposition if stored and applied as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Health Effects:
 Inhalation: n.av.
 Ingestion: n.av.
 Skin Contact: n.av.
 Skin corrosion / irritation: Causes skin irritation.
 Serious eye damage / irritation: May cause eye irritation with susceptible persons.
 Respiratory or skin sensitisation: n.av.
 Germ cell mutagenicity: n.av.
 Carcinogenicity: n.av.
 Reproductive toxicity: n.av.
 STOT-single exposure: May cause drowsiness or dizziness.
 STOT-repeated exposure: n.av.
 Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:
 None.
 Further Observations:
 Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
 Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic organisms.

12.2 Persistence and degradability

No data is available on the product itself.

12.3 Bioaccumulative potential

Very toxic to aquatic organisms.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.
 12.6.2 BOD5-Value, mg/g: n.av.
 12.6.3 AOX-Remarks: n.av.
 12.6.4 Significant Components: None.
 12.6.5 Other adverse effects: None.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation: D 10 / R 2
 Waste - Code - No.:
 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
 In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Offer rinsed packaging material to local recycling facilities.
 13.2.2 Safe Handling: As described under Residues. Handle in accordance with good industrial hygiene and safety practice.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number 1263	1263	1263
14.2	UN proper shipping name UN 1263 color accessories	Color accessories & MARINE POLLUTANT (Methylcyclohexane)	Paint related materials
14.3	Transport hazard class(es) 3 	3 	3
14.4	Packing group II	II	II
14.5	Environmental hazards	Yes.	
14.6	Special precautions for user Transport category: 2 Classification Code: F1 Hazard - No.: 33 LQ: 5 L	F-E, S-E	Packing Instructions (Passenger) 353 Packing Instructions (Cargo) 364
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	None.	

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
n.av.
- 15.2 **Chemical safety assessment :**
n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H411: Toxic to aquatic life with long lasting effects.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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