

Section 1: Identification**1.1 Product Identifier**

Product Name : Pen Refills - Blue

Fellowes Item Number : 0910301

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the substance/mixture : Ball pen ink.

1.3 Details of the Supplier of the Safety Data Sheet

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UK

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SECTION 2: Hazard(s) Identification**2.1 Classification of the Substance or Mixture****2.1.1 Classification According to Regulation (EC) No. 1272/2008 and Its Amendments**

GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard Pictograms



GHS05

GHS07

Signal Word	: Danger
Hazard-determining component of labeling	: Oleoysarcosinic acid, C.I. Solvent Violet 8
Hazard Statements	: H315 – Causes skin irritation. H318 – Causes serious eye damage.
Precautionary Statements	: P101 – If medical advice is needed, have product container or label at hand. P102 – Keep out of the reach of children. P103 – Read label before use. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 – Immediately call a POISON CENTER or doctor/physician. P321 – Specific treatment (see on this label). P362 – Take off contaminated clothing and wash before reuse. P332+P313 – If skin irritation occurs: Get medical advice/attention.

Additional information:

-EUH208 Contains C.I. Solvent Blue 4 < 0.1% Michler's Ketone. May produce an allergic reaction.

2.3 Other Hazards

Results of PBT and vPvB assessment: Not applicable.

-PBT: Not applicable

-vPvB: Not applicable

SECTION 3: Composition / Information On Ingredients

3.1 Mixtures**-Chemical characterization:** Mixtures

Mixture of the following substances, containing non-hazardous substances and coloring agents.

-Description:

Mixture of substances listed below with non-hazardous additions.

-Dangerous Components:		
CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	10 - 25%
CAS: 107-41-5 EINECS: 203-489-0	2-methylpentane-2, 4-diol Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5 – 10%
CAS: 110-25-8 EINECS: 203-749-3	Oleoysarcosinic acid Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H332; Skin Irrit. 2, H315	2.5 – 10%
CAS: 84281-86-7	C.I. Solvent Violet 8	2.5 – 10%

EINECS: 282-630-8	Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 6786-83-0	C.I. Solvent Blue 4 < 0.1% Michler's Ketone	≤ 1.0%
EINECS: 229-851-8	Skin Sens. 1B, H317; Aquatic Chronic 3, H412	

-Additional information: For the wording of the listed risk phrases refer to Section 16.

SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

Inhalation : In case of unconsciousness place patient stably in side position for transportation.

Skin contact : Immediately wash with water and soap and rinse thoroughly.

Eye contact : Rinse open eye for several minutes under running water. Then consult a doctor.

Ingestion : If symptoms persist consult a doctor.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No further relevant information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media:

-CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special Hazards Arising From The Substance Or Mixture

No further relevant information available.

5.3 Advice For Firefighters

Protective equipment:

-No special measures required.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing.

6.2 Environmental Precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and Materials for Containment and Clean Up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to Section 13.

Ensure adequate ventilation.

6.4 Reference to Other Sections

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and Storage**7.1 Precautions for Safe Handling****Precautions for safe handling:**

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

Information about fire – and explosion protection:

- No special measures required.

7.2 Conditions for Safe Storage, Including Any Incompatibilities**Requirements to be met by storerooms and receptacles:**

- No special requirements.

Information about storage in one common storage facility:

- Not required.

Further information about storage conditions:

- Keep container tightly sealed.

7.3 Special End Use(s)

No further relevant information available.

SECTION 8: Exposure Controls / Personal Protection**8.1 Control Parameters****Information about design of technical facilities:**

- No further data; see Section 7.

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure Controls**Personal Protective Equipment:****General protective and hygienic measures:**

- Keep away from foodstuff, beverages and feed.
- Immediately remove all soiled and contaminated clothing.

- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

Respiratory protection:

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

- Protective gloves



The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.
Selection of the glove material on consideration of the penetration times, rate of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye / face protection:

- Tightly sealed goggles.



SECTION 9: Physical and Chemical Properties

9.1 Information On Basic Physical and Chemical Properties**Appearance:**

Form	: Fluid
Color	: According to product specification
Odor	: Product specific
pH-value at 20°C	: 6.3
Melting point/Melting range	: Undetermined
Boiling point/Boiling range	: 185°C
Flash point	: 93°C
Flammability (Solid, Gaseous)	: Not applicable
Ignition temperature	: 260°C

Decomposition temperature	: Not determined
Self-ignition	: Product is not self-igniting
Danger of explosion	: Not determined
Explosion limits (Lower)	: 2.6 Vol %
Explosion limits (Upper)	: 12.6 Vol %
Vapor pressure at 20°	: 0.1 hPa
Density	: Not determined
Relative density	: Not determined
Vapor density	: Not determined
Evaporation rate	: Not determined
Solubility in/Miscibility with water	: Not miscible or difficult to mix
Organic solvents	: 42.6%
Partition coefficient (n-octanol/water)	: Not determined
Viscosity (Dynamic) at 20°C	: 16000 mPas
Viscosity (Kinematic)	: Not determined
Solids content	: 49.7%

9.2 Other Information

No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

10.2 Chemical Stability

Thermal decomposition/conditions to be avoided:

-No decomposition if used according to specifications.

10.3 Possibility of Hazardous Reactions

No dangerous reactions known.

10.4 Conditions To Avoid

No further relevant information available.

10.5 Incompatible Materials

No further relevant information available.

10.6 Hazardous Decomposition Products



Safety Data Sheet

No dangerous decomposition products known.

SECTION 11: Toxicological Information**11.1 Information On Toxicological Effects****Acute toxicity:**

LD/LC50 values relevant for classification:

110-25-8 Oleoysarcosinic acid

Oral	LD50	9200 mg/kg (rat)
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84281-86-7 C.I. Solvent Violet 8

Oral	LD50	700 mg/kg (rat)
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Primary irritant effect:**On the Skin:** Irritant to skin and mucous membrane.**On the eye:** Strong irritant with the danger of severe eye injury.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

-The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

SECTION 12: Ecological Information**12.1 Toxicity****12.2 Aquatic Toxicity****6786-83-0 C.I. Solvent Blue 4 < 0.1% Michler's Ketone**

EC50 / 48h	0.025 mg/l (Daphnie)
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12.3 Persistence and Degradability

No further relevant information available.

12.4 Bioaccumulative Potential

No further relevant information available.

12.5 Mobility In Soil

No further relevant information available.

12.6 Results of PBT and vPvB Assessment**PBT:** Not applicable**vPvB:** Not applicable**12.7 Additional Ecological Information**

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 15: Regulatory Information**15.1 Safety, Health and Environmental Regulation/Legislation Specific For The Substance Or Mixture****National Regulations:****Technical instructions (air):**

Class	Share in %
NK	25-50

Water hazard class: water hazard class 2 (self-assessment): hazardous for water.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information**Relevant phrases:**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Further Information

The information contained in the Safety Data Sheet is believed to be correct and used as a guide.