

# Safety Data Sheet according to Regulation (EC) No1907/2006

Date of Compilation/Revision: 07.10.2016.

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers: Mirror mist for glass

Type of substance: CLP Mixture

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

For hobby of adults.

### 1.3 Details of the supplier of the safety data sheet:

Pentacolor Ltd.

1103 Budapest, Gyömrői út 86.

tel.: +36-1-260-7477

fax: +36-1-262-1345

### 1.4 Emergency telephone number:

Egészségügyi Toxikológiai Tájékoztató Szolgálat

Address: 1096, Budapest, Nagyvárad tér 2., Hungary

tel: 06/80/20 11 99 (green number), 06/1/ 476 64 64 (during working hours)

## 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008

Flammable Liquid- Category 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

### 2.2. Label elements:

#### Labelling according to Regulation (EC) No 1272/2008

Contains: ethyl acetate

#### Hazard pictograms:



**Signal Word:** Danger

#### Hazard Statements:

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

EUH066 Repeated exposure may cause skin dryness or cracking

**Precautionary Statements**

P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
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/light/.../equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P403+235 Store in a well ventilated place. Keep cool  
P501 Dispose of contents/container in accordance with the local regulations. ...

**2.3 Other hazards:**

The ingredients are not PBR or vPvB substances  
The material can irritate the eyes and respiratory tract.  
Take measures to prevent the build up of electrostatic charge  
Vapor is heavier than air, and spread in the soil.  
From remote ignition source can ignite.  
Vapour may cause headache, dizziness, and of a higher concentration may cause faint.  
Vapours may form explosive mixtures with air.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixture:**

The details below includes all impurities and by-products that contribute to the product classification or that have an occupational exposure limits.

Hazardous Substance(s): ethyl acetate

concentration: > 90%

EC-No.: 205-500-4

CAS-No.: 141-78-6

Index-No. : 607-022-00-5

Reg. No.: 01-2119475103-46-0000

Classification according to Regulation (EC) No 1272/2008 : Flam. Liq. 2 H225, Eye Irrit. 2 H319

STOT SE 3 H336, EUH066

Hazardous Substance(s): aluminium (stabilized)

concentration: <= 0,5 %

EC-No.: 231-072-3

CAS-No.: 7429-90-5

Index-No. : 013-002-00-1

Classification according to Regulation (EC) No 1272/2008: Flam. Sol. 1 H228, Water-react 2 H261

Refer to Section 16 for full details of the risk phrases, hazard statements and Notas.

**4. FIRST AID MEASURES****4.1 Description of necessary first-aid measures:****General:**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

**Eye contact:**

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and if necessary seek medical advice.

**Skin contact:**

Remove contaminated clothing. Wash skin thoroughly with soap and water. In case of complaints contact your doctor. Use of skin cream recommended.

**Ingestion:**

If accidentally swallowed obtain immediate medical attention. Do **NOT** induce vomiting.

Rinse mouth with water. If conscious, drink plenty of water

**4.2 Most important symptoms and effects, both acute and delayed:**

Vapour may cause headache, dizziness, and of a higher concentration may cause faint.

Causes serious eye irritation

Defat the skin.

May cause central nervous system depression.

If swallowed, vomiting, diarrhea, nausea, dizziness can occur.

**4.3 Indication of immediate medical attention and special treatment needed:**

Symptomatic treatment.

**5. FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray, sand

Not to be used : High power water jet.

**5.2 Special hazards arising from the substance or mixture**

In case of fire carbon monoxide, carbon dioxide.

Vapor is heavier than air, and spread in the soil.

Vapours may form explosive mixtures with air.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

Remove all sources of ignition.

Cool closed containers exposed to fire with water spray.

Keep away from unauthorized persons.

Do not allow run-off from fire fighting to enter drains or water courses.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes, skin and cloth. Wear personal protective equipment. Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Vapor is heavier than air, and spread in the soil. From remote ignition source can ignite.

**6.2 Environmental precautions**

Do not allow to enter drains or watercourses. If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth and place in container for disposal according to local regulations (see 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.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Avoid contact with eyes, skin and cloth . Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Smoking, eating and drinking should be prohibited in application area. Wash hands before breaks and at the end of work. Take precautionary measures against static discharge. Ensure adequate ventilation.

For personal protection see Section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local rules & regulations

Store in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep out of reach of children. Keep away from oxidizing agents, strong acids, alkali, peroxide, moisture. Keep away from food, drink. Store protected from direct sunlight.

Packaging materials used for storage: stainless steel, carbon steel, iron, aluminum, copper, nickel, polypropylene, glass, tin.

Not suitable packaging for storage: plastic

Storage class: 3 flammable liquids

### 7.3 Specific end uses

No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

According to local regulations

#### Derived No Effect Level (DNEL)

##### Ethyl acetate CAS-No. 141-78-6

DNEL: Workers, Long-term - systemic effects, Skin contact 63 mg/kg bw/day

DNEL: Workers, Long-term - systemic effects, Inhalation 34 mg/m<sup>3</sup>

DNEL: Workers, Long-term - local effects, Inhalation 734 mg/m<sup>3</sup>

DNEL: Workers, Acute systemic and local effects, Inhalation 1468 mg/m<sup>3</sup>

DNEL: Consumers, Long-term - systemic and local effects, Inhalation 367 mg/m<sup>3</sup>

DNEL: Consumers, Acute systemic and local effects, Inhalation 734 mg/m<sup>3</sup>

DNEL: Consumers, Long-term - systemic effects, ingestion 4,5 mg/kg bw/day

DNEL: Consumers, Long-term - systemic effects, Skin contact 37 mg/kg bw/day

#### Predicted No Effect Concentration (PNEC)

Fresh water: 0,26 mg/l

Marine water: 0,026 mg/l

Int. release: 0,34 mg/l

Sewage treatment plant (STP): 650 mg/l

Sediment (Fresh water) Related to, dry weight: 0,34 mg/l

Sediment (Marine water) Related to, dry weight: 0,034 mg/l

Soil Related to, dry weight: 0,22 mg/kg

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Use only non-sparking electrical equipment.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke when using this product.

#### Personal protective equipment

##### Eye/face protection

Use safety eyewear designed to protect against splash of liquids. (EN 166) Keep ready eye wash device.

##### Skin protection

For prolonged or repeated handling, use gloves. Nitrile, butyl rubber, PVA (EN374)

Can not be used: natural rubber natural latex, PVC

##### Body Protection

Solvent-resistant protective clothing, apron, cotton-based garments, antistatic protective boots.

Synthetic fiber-based clothing should not be used because of the risk of electrostatic charging and sparking. Remove contaminated clothing.

##### Respiratory protection

If ventilation is insufficient, suitable respiratory protection must be provided (A filter)

##### Environmental exposure controls

Wastes containing volatile organic materials are safely stored in a closed container.

Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform respective authorities.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance Form: liquid

Colour: metal grey

Odour: characteristic

Odour Threshold: not determined

pH: not determined

Initial boiling point and boiling range: 77 C

Melting point/freezing point Melting point/range: - 84 C

Flash point: - 4 C

Ignition temperature: no data

Evaporation rate: not determined

Flammability (solid, gas): not applicable

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Upper explosion limit: 11.5 V%

Lower explosion limit 2 V%

Vapour pressure: 98.3 hPa (20 C)

Vapour density: 3

Relative density: 0.8 g/cm<sup>3</sup>

Water solubility: soluble

Partition coefficient: noctanol/water log Pow: 0,768

Autoignition temperature: not determined

Decomposition temperature: not determined

Viscosity: no data

### 9.2 Other safety information

No data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Vapor is heavier than air, and spread in the soil.

From remote ignition source can ignite.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions.

Heating causes violent combustion or explosion.

Decomposition in presence of UV-light, acids, alkalis.

### 10.3 Possibility of hazardous reactions

In presence of strong oxidizing agents highly flammable liquid and vapour

In presence of acids exothermic reactions can occur.

### 10.4 Conditions to avoid

Heat, flames and sparks, static electricity.

### 10.5 Incompatible materials

Keep away from oxidizing agents strong acids, alkalis, peroxide

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Product:**

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met

#### **Serious eye damage/eye irritation**

Causes serious eye irritation

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met

**Carcinogenicity**

Based on available data, the classification criteria are not met

**Reproductive toxicity**

Based on available data, the classification criteria are not met

**Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness

**Specific target organ toxicity - repeated exposure**

Based on available data, the classification criteria are not met

**Aspiration hazard**

Based on available data, the classification criteria are not met

**Components:****Ethyl acetate****Acute toxicity**

LD50 Oral - rat - 5620 mg/kg

LD50 Oral - rabbit - 4934 mg/kg

LC50 Inhalation -2 h – rat - 45 mg/l

LC50 Inhalation -6 h – rat > 22.5 mg/l

LD50 Dermal -24h - rabbit >2000 mg/kg

**Other informationen:**

Repeated exposure may cause skin dryness or cracking.

Effects on the central nervous system.

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

LC50:Ethyl acetate – fish – 96 h – 328 mg/l

LC50 Ethyl acetate- cancer - 48 h 679 mg/l

EC 50 Ethyl acetate Algae -96 h - 2500 mg/l

EC 50 Ethyl acetate Daphnia magna - 48 h - 165 mg/l

**12.2 Persistence and degradability**

Ethyl acetate: Readily biodegradable

In water: 69% 20 days

In the air: does not cause damage to the ozone layer

In soil and sediment: no data available

**12.3 Bioaccumulative potential**

Ethyl acetate: Log kow: <=3 low bioaccumulation

**12.4 Mobility in soil**

Ethyl acetate: Log Pow: 0.68

**12.5 Results of PBT and vPvB assessment**

Contains no heavy metals and polychlorinated hydrocarbons.

**12.6 Other adverse effects**

Do not allow product to reach sewage system or any water course.

**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): Less hazardous for water

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Wastes and emptied containers should be disposed of in accordance with local regulations.

**Waste key number:** 07 01 04\*- other organic solvents, washing liquids and mother liquors

**14. TRANSPORT INFORMATION****14.1 UN number**

ADR/RID, IMDG, IATA: 1173

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: UN 1173, ETHYL ACETATE

**14.3 Transport hazard class(es)**

ADR/RID: Class 3, Code: F1

IMDG: Class 3, Code : 3

IATA: Class 3

**14.4 Packing group**

ADR/RID, IMDG, IATA: II

**14.5 Environmental hazards**

Marine Pollutant No

**14.6 Special precautions for user****Land transport (ADR/RID)**

Warning board: ADR/RID

Hazard label 3

Tunnel restriction code: D/E

**Sea transport (IMDG)**

EmS: F-E, S-D

Special provisions -

**Air transport (IATA)**

Special provisions -

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data

**14.8 Special precautions for user**

No data

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

REACH Appendix XVII.: The mixture doesnot contain SVHC material.

Seveso: 7. b - flammable liquids class

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

According to the local regulation.

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment has not been carried out.

**16. OTHER INFORMATION****Data Sources:**

The previously-classified hazardous materials list

Internet database of chemical substances

Safety data sheets of components

LIST OF RELEVANT R-PHRASES, H-PHRASES IN SECTION 3.

**H-Phrases**

H225 Highly flammable liquid and vapour

H228 Flammable solid

H261 In contact with water releases flammable gas

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

EUH066 Repeated exposure may cause skin dryness or cracking

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue , and is provided in good faith, and believed to be accurate and reliable at the date of issue, however, no warranty, express or implied is provided. The product is to be used in applications consistent. For any other uses, exposures should be evaluated so that the appropriate handling practices and training programs can be established to ensure safe working conditions and operations. It is the buyer's/user's responsibility to satisfy itself that the product is suitable for the intended use, and to ensure that its activities comply with all federal, state, provincial, or local laws and regulations. Regulatory requirements are subject to change and may differ between European Member States and Nations. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.