

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

Date of Compilation/Revision: 15.07.2015./11.09.2016.

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

**1.1 Product identifiers:** Transfer solution

Type of substance: CLP Mixture

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

Transfer solution 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

e-mail: [info@pentacolor.hu](mailto:info@pentacolor.hu)

MSDS Contact: Júlia Jantai

E-mail: [jantaj@t-online.hu](mailto:jantaj@t-online.hu)

**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

Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects

Skin Irrit. 2 H315 Causes skin irritation

Skin Sens. 1 H317 May cause an allergic skin reaction

### 2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal Word: Warning!

### Hazard Statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

### Precautionary Statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with soap and water

P333+313: IF skin irritation or a rash occurs: Get medical advice/attention

**2.3 Other hazards:**

None known

The raw material/ mixture does not contain any ingredients that are 0.1 % or higher concentrations of persistent, very bio-accumulative and toxic PTB or very persistent very bioaccumulative vPvB substance is considered.

**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): (R)-p-mentha-1,8-diene;d-limonene

concentration: 10-20%

EC-No.: 227-813-5

CAS-No.: 5989-27-5

Index-No. : 601-029-00-7

Classification according to 67/548/EEC: C/35

Classification according to Regulation (EC) No 1272/2008 : Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 (M-Factor = 1) H400, Aquatic Chronic 1 H410

Registration number : 01-2119493353-35-0000

Refer to Section 16 for full details of 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:**

Provide fresh air. Seek medical treatment in case of troubles.

If victim is at risk of losing consciousness, position and transport on their side.

**Eye contact:**

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

**Skin contact:**

Remove contaminated clothing. Wash skin thoroughly with soap and water. When symptoms persist, seek medical attention.

**Ingestion:**

If accidentally swallowed obtain immediate medical attention. Do NOT induce vomiting. Danger of aspiration! Mouth rinse.

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

Causes skin irritation.

May cause an allergic skin reaction.

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

Treat symptomatically.

No special measures are required.

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

Foam, extinguishing powder, carbon dioxide, Water fog.

Not to be used : High power water jet

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

Carbon monoxide and carbon dioxide, smoke, carbon black

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.  
Use fine water spray to cool endangered containers. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

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

Wear protecting apparatus. Remove the unauthorized persons.

**6.2 Environmental precautions**

Do not allow to enter drains or watercourses.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, and place in container for disposal according to local regulations (see section 13).

**6.4 Reference to other sections**

Use personal protective equipment recommended in section 8.  
For disposal see section 13.

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

Avoid contact with skin and eyes. Do not breathe vapour. Provide adequate ventilation.

Do not eat, drink or smoke while working

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

Store in well-filled containers. Keep container dry. Food, drink and animal feeding stuffs keep away  
Keep container tightly closed in a cool, well-ventilated place.

Keep only in the original container. Keep away from strong bases, strong acids and oxidizing agents.

**7.3 Specific end uses**

See section 1.2

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Components with workplace control parameters**

AGW (Germany): 110 mg/m<sup>3</sup>, 20 ppm. 2(II); DFG, Sh, Y

**8.2 Exposure controls****Appropriate engineering controls****General protective and hygienic measures:**

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Wash clothing before further use.

Keep away from foodstuffs, beverages and feed.

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields according to EN 166.

**Skin protection**

Protective gloves according to EN 374.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Recommended materials: nitrile rubber, breakthrough time > 480 minute, Glove strength: 0,4 mm

**Body Protection**

Protective clothing according to EN ISO 20345

**Respiratory protection**

Provide good ventilation of working area.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance Form: Liquid

Colour: colourless  
Odour: characteristic  
Water solubility: immiscible  
pH: 3-5  
Boiling temperature / boiling range: not determined  
Melting point/freezing point Melting point/range: not determined  
Vapour pressure: not determined  
Relative density: not determined  
Viscosity: not determined  
Flash point: 63 +- 1 C fok (MSZ EN ISO 3680:2004)  
Flammability (solid, gas): not applicable  
Ignition temperature: not determined  
Danger of explosion: Product is not explosive.  
Oxidizing capacity: no data  
Autoignition temperature: not determined The product is not self-igniting  
Decomposition temperature: not determined  
Partition coefficient: noctanol/water not determined  
Evaporation rate: not determined

**9.2 Other safety information**

No data available

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

React with strong acids and oxidizing agents.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3 Possibility of hazardous reactions**

No dangerous reaction in normal use.

**10.4 Conditions to avoid**

Not known in normal use.

**10.5 Incompatible materials**

Strong acids and oxidizing agents.

**10.6 Hazardous decomposition products**

Not known in normal use.

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

There are no data available on the preparation itself.

**Irritation skin:** Irritating to skin and mucous membranes

**Irritation eyes:** Based on available data, the classification criteria are not met

**Sensitisation:** May cause an allergic skin reaction

**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 and repeated) exposure:** Based on available data, the classification criteria are not met

**Aspiration hazard:** Based on available data, the classification criteria are not met

**Other information:**

Components:

5989-27-5 (R)-p-mentha-1,8-diene

Acute Toxicity

LD50 (oral, rat): 4400 mg/kg.

Irritation skin: irritating to skin and mucous membranes

Irritation eyes: irritativ to eyes

Sensitisation: May cause an allergic skin reaction

Mutagenicity: Based on available data, the classification criteria are not met

Carcinogenicity: Based on available data, the classification criteria are not met

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

There are no data available on the preparation itself..

Components:

(R)-p-mentha-1,8-diene (d-limonene)

LC50 (Pimephales promelas 96 h): 0,7 mg/l.

EC50 (Daphnia magna, 48 h): 0,4 mg/l.

NOEC (Green algae, 96 h): 4 mg/l.

### 12.2 Persistence and degradability

#### Biodegradability

No relevant information available.

### 12.3 Bioaccumulative potential

No relevant information available.

### 12.4 Mobility in soil

No relevant information available.

### 12.5 Results of PBT and vPvB assessment

The raw material/ mixture does not contain any ingredients that are 0.1 % or higher concentrations of persistent, very bio-accumulative and toxic PTB or very persistent very bioaccumulative vPvB substance is considered.

### 12.6 Other adverse effects

Toxic to aquatic life with long lasting effects

#### Additional ecological information:

##### General notes:

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

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

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Do not dispose of together with household waste. In accordance with local and national regulations. Non-recyclable material is to be offered to a licensed disposal company.

## 14. TRANSPORT INFORMATION

Transportation for non-hazardous goods.

14.1 ADR/RID, IMDG, IATA: UN number --

14.2 ADR/RID, IMDG, IATA: UN proper shipping name: --

14.3 ADR/RID, IMDG, IATA: Transport hazard class(es): --

14.4 ADR/RID, IMDG, IATA: Packing group: --

14.5 Environmental hazards: No

14.6 Special precautions for user: Not applicable.

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

Not applicable.

## 15. REGULATORY INFORMATION

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

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

According to the local regulation.

### 15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out.

**16. OTHER INFORMATION**

## LIST OF RELEVANT H-PHRASES IN SECTION 3

**H-Phrases****H226** Flammable liquid and vapour**H315** Causes skin irritation**H317** May cause an allergic skin reaction**H400** Very toxic to aquatic life**H410** Very toxic to aquatic life with long lasting effects

Changes from the previous version: Item 2. 4. 8. 12. 13.

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.