

Safety Data Sheet for not dangerous mixtures according to 830/2015 EU Regulation

Date of Compilation/Revision: 03.08.2017.

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

1.1 Product identifiers: Pouring medium Silicone Oil

Type of substance: CLP Substance

Substance: Poli(dimetil-sziloxán)

CAS szám: 63148-62-9

EU szám: - (polimer)

Synonym: PDMS; poly(dimethylsiloxane), Dimethyl siloxane

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

Acrylic paint enhancer

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

For product safety information please contact: info@pentacolor.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)

SECTION 2. HAZARDS IDENTIFICATION

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

This product is not classified according to (EC) Regulation No 1272/2008.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Pouring medium Silicone Oil

This product is not classified according to (EC) Regulation No 1272/2008.

2.3 Other hazards:

It does not contain PBT/vPvB materials,

The material is slippery on a smooth surface.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Contains no hazardous ingredients.

SECTION 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:

Keep patient calm, remove to fresh air, if necessary, seek medical attention.

Eye contact:

Wash affected eyes immediately for at least 15 minutes under running water with eyelids held open. Consult a doctor in case of persistent symptoms or complaints.

Skin contact:

Wash with plenty of water. If persistent irritation occurs, seek medical attention.

Ingestion:

Give the injured person copious amounts of water in small doses. Do not induce vomiting. When symptoms persist, seek medical attention.

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

From symptoms and effects we donot have any information.

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

According to the environmental fire.

Not to be used : High power water jet.

5.2 Special hazards arising from the substance or mixture

The product is not flammable. In case of fire toxic vapours, gases may be formed (carbon oxides, silicon oxides, hydrocarbon fragments, formaldehyde)

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing. The persons without protective equipment take out of the danger zone.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Surround and close the danger zone. Use personal protective equipment (see section 8.) The persons without protective equipment take out of the danger zone. The material is slippery on a smooth surface - don't step into it

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Stop the spillage if safe to do . Surround the spills. (e.g. earth). Small spills: Soak up with inert absorbent materials (e.g.. diatomite) and place in container for disposal according to local regulations (see section 13). Large spills: remove with pump. For slippery residues: Pick up with washing agent, soap solution, or with other biodegradable detergents. Do not wash with water. The silicone oils are slippery and therefore the spilled material is a source of danger. To prevent the slip use sand or other inert granular material. The contaminated washing water should be collected.

6.4 Reference to other sections

Use personal protective equipment recommended in section 8.

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid aerosol formation. In case of aerosol formation special protection is required. (air extraction, respiratory protection) The spilled substance causes an increased risk of slipping.

General occupation hygiene advice:

Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry place. Maximum storage and transport temperature is 50 C.

7.3 Specific end uses

See section 1.2

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

Contains no substances with occupational exposure limit values.

Manufacturer's proposal for aerosol formation during processing: Exposure limit value:

10 mg m³ aerosol, inhalable fraction

8.2 Exposure controls**Appropriate engineering controls**

No special ventilation required.

Personal protective equipment**Eye/face protection**

Because of expected splashes or accidental onset, safety glasses with side-shields according to EN 166. recommended.

Skin protection

Protective gloves recommended according to EN 374. Recommended materials: nitrile rubber, breakthrough time > 480 minute, thickness:: 0,1 mm, or butyl rubber, breakthrough time > 480 minute, thickness:: 0,3 mm. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. The selection of the suitable gloves does not only depend on the material, Account should be taken of the use of the product during special circumstances, eg. cuts, abrasions risk and the fact, that the breakthrough time established during the tests may be considerably shorter due to several factors. (eg. temperature)

Body Protection

Protective clothing or overalls. according to EN ISO 20345

Respiratory protection

It is not necessary for normal use. Where during use forms intense fog or aerosols, FFP1 or equivalent half-mask filter (EN 149) should be used. Observe the prescribed wear time and the respirator manufacturer's instructions

Environmental exposure controls

Do not allow the product residues soil or water and public sewer

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

(a) Appearance: clear liquid, Colour: colorless

(b) Odour: odorless

(c) Odour threshold: not determined

(d) pH: cc. 7

(e) Melting point/freezing point: - 55 C

(f) Initial boiling point and boiling range: not determined

(g) Flash point: > 150 C (EN 22719); > 275 C (ISO 2592); 327 C (JIS K2265-4). Ignition temperature: 395 C (EN 14522).

(h) Evaporation rate: not determined

(i) Flammability (solid, gas): not applicable (Non-flammable liquid)

(j) Upper/lower flammability or explosive limits: not applicable. (Non-flammable non-explosive liquid)

(k) Vapour pressure: < 0,1 hPa. (20 C)

(l) Vapour density: not determined

(m) Relative density: cc. 0,96 g/cm³ (DIN 51757). 25 C

(n) Solubility(ies): Practically insoluble in water

(o) Partition coefficient: n-octanol/water: not determined

(p) Auto-ignition temperature: not determined

(q) Decomposition temperature: > 250 C

(r) Viscosity:

dynamic: 95-105 mPa·s (DIN 53019) 25 C

kinematic: cc. 100 mm²/s (DIN 53019) 25 C

(s) Explosive properties: product is not explosive.

(t) Oxidising properties. non-oxidizing

9.2. Other information

No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions can be expected under normal handling and storage..

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction in normal use.

10.4 Conditions to avoid

Not known

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Not known in normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There are no data available on the preparation itself.

(a) acute toxicity: Based on available data, the classification criteria are not met

LD50/oral/rat: > 5000 mg/kg (literature data)

LD50/skin/rat: > 2008 mg/kg (literature data)

(b) skin corrosion/irritation: Based on available data, the classification criteria are not met

Skin irritation rabbit: Does not irritate (literature data)

Adhesive plaster test: The product has good skin compatibility.

(c) serious eye damage/irritation: Based on available data, the classification criteria are not met

Eye irritation rabbit: Does not irritate (literature data)

(d) respiratory or skin sensitisation: Based on available data, the classification criteria are not met

Sensitisation, guinea pig: does not cause sensitization (Magnusson-Kligman test, literature data)

(e) germ cell mutagenicity: Based on available data, the classification criteria are not met

In vitro mutation test (bacterium): negative (OECD 471, literature data)

(f) carcinogenicity: Based on available data, the classification criteria are not met

Studies in animals have not shown carcinogenic effects .

NOAEL: >= 1000 mg/kg (oral, rat, feed (F344), 2 years, carcinogenicity studies (literature data)

(g) reproductive toxicity: Based on available data, the classification criteria are not met

Animal experiments do not indicate a harmful effect on the fetus and a decrease in reproductive capacity

NOAEL (growth): >= 1000 mg/kg

NOAEL (mother): >= 1000 mg/kg (Developmental toxicity study, oral, Esophageal probe- rabbit,

pregnancy 6-19. day, symptoms: no (literature data)

(h) STOT-single exposure: Based on available data, the classification criteria are not met

There are no data for the product.

(i) STOT-repeated exposure: Based on available data, the classification criteria are not met

NOAEL (systematic effects): > = 1000 mg/kg (Oral, feed, rat, 1 year, ex post follow-up 1 year, chronic study, literature data)

(j) aspiration hazard: Based on available data, the classification criteria are not met

There are no data for the product.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Based on available data, the classification criteria are not met

No harmful effects on aquatic organisms was reported. Based on experience, no harmful effect on cleaning equipment is expected.

EC₀ (Daphnia magna, 48 h): > 0,0001 mg/l (measured, static, (water intake fraction), effect level > maximum achievable concentration, literature data)

IC₅₀ (Skeletonema costatum, 72 h): > 100000 mg/l (growth rate, nominal, literature)

NOEC (Oncorhynchus mykiss, 28 nap): > 10000 mg/kg (feeding study, relevant parameters)

12.2 Persistence and degradability

The silicone part is non-biodegradable. Removal by adsorption of active sludge. Poly dimethyl siloxane can be significantly degraded in abiotic processes.

12.3 Bioaccumulative potential

The bioaccumulation of the polymer part is unlikely.

12.4 Mobility in soil

The polymer part is insoluble in water and absorbed in the soil..

12.5 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6 Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Non-hazardous waste. Dispose of in accordance with local regulations.

Contaminated packaging: Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14. TRANSPORT INFORMATION

Transportation for non-hazardous goods.

14.1 ADR/RID, IMDG, IATA: **UN number:** Not applicable.

14.2 ADR/RID, IMDG, IATA: **UN proper shipping name:** Not applicable.

14.3 ADR/RID, IMDG, IATA: **Transport hazard class(es):** Not applicable.

14.4 ADR/RID, IMDG, IATA: **Packing group:** Not applicable.

14.5 **Environmental hazards:** No

14.6 **Special precautions for user:** Handle in accordance with good industrial hygiene and safety practice.

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

Not applicable.

SECTION 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. For product there are no special requirements.

15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out./ not required.

SECTION 16. OTHER INFORMATION

Abbreviations:

EK / EU European community/European union

EGK European Economic Community

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /

CAS Chemical Abstracts Service

UN / ENSZ United Nations

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route

RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer

IMDG International Maritime Code for Gangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships

IBC Intermediate Bulk Container

IATA International Air Transport Association

ICAO International Civil Aviation Organization

PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative
EPT The European Parliament and the Council

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.