Safety Data Sheet for not dangerous mixtures *according to 878/2020 EU Regulation

Date of Compilation/Revision: 03.08.2017./24.03.2023.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier 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 Kft.
1103 Budapest, Gyömrõi 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
https://echa.europa.eu/documents/10162/23019181/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
This product is not classificed to (EC) 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.
Not required to sign up.
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. Substances 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 use(s)

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) Physical state liquid
(b) Colour clear, colorless
(c) Odour odorless
(d) Melting point/freezing point - 55 C
(e) Boiling point or initial boiling point and boiling range not determined
(f) Flammability not applicable (Non-flammable liquid)
(g) Lower and upper explosion limit not applicable. (Non-flammable non-explosive liquid)
(h) Flash point > 150 C (EN 22719); > 275 C (ISO 2592); 327 C (JIS K2265-4). Ignition temperature: 395 C (EN 14522).
(i) Auto-ignition temperature not determined
(j) Decomposition temperature > 250 C
(k) pH cc. 7
(l) Kinematic viscosity cc. 100 mm2/s (DIN 53019) 25 C
(m) Solubility Practically insoluble in water
(n) Partition coefficient n-octanol/water (log value) not determined
(o) Vapour pressure < 0,1 hPa. (20 C)
(p) Density and/or relative density cc. 0,96 g/cm3 (DIN 51757). 25 C
(q) Relative vapour density not determined
(r) Particle characteristics Not applicable for fluid. It does not contain nanoparticles.

9.2. Other information

Non-explosive, non-oxidizing
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. In case of fire toxic vapours, gases may be formed (carbon oxides, silicon oxides, hydrocarbon fragments, formaldehyde)

***SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
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, quinea 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.
11.2. Information on other hazards
No further information available.

***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.
EC_0 (Daphnia magna, 48 h): > 0,0001 mg/l (measured, static, (water intake fraction), effect level> maximum achievable concentration, literature data)
IC_{50} (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. Endocrine disrupting properties
The product does not contain substances identified as endocrine disrupters.
12.7. 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**

14.1. UN number or ID number Not applicable.
14.2. UN proper shipping name Not applicable.
14.3. Transport hazard class(es) Not applicable.
14.4. Packing group Not applicable.
14.5. Environmental hazards No
14.6. Special precautions for user Observe the applicable safety data sheet.
14.7. Maritime transport in bulk according to IMO instruments 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.
The components of this product are included in the following notification lists; are exempted, or otherwise meet requirements: EINECS/ELINCS/NLP (EU), DSL/NDSL (Kanada), KECI (Dél-Korea), TSCA (USA).
The ingredients of this product are not included on California's 65 list
15.2. Chemical safety assessment
Chemical safety assessment has not been carried out./ not required.

***SECTION 16: Other information**

*Changes from the previous version

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 Réglement international concernant le transport des marchandises dangereuses par chemin de fer
IMDG International Maritime Code for Gangerous Goods
IMO International Maritime Organization
IBC Intermediate Bulk Container
IATA International Air Transport Association

ICAO International Civil Aviation Organization
PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative
ATE Acute Toxicity Estimate / body weight in kilograms
EC_{50} Effective concentration 50 %
LC_{50} Lethal Concentration 50 %
NOEC No Observed-effect concentration
LLNA Local Lymph Node Assay
BCF / BKF Bioconcentration factor
DOC Dissolved Organic Carbon
PBT Persistent, Bioaccumulative, Toxic

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.