

	MATERIAL SAFETY DATA SHEET Silicone impregnate P-I	Prepared on: 17-07-2017 Updated on: - Version no.: 01
Prepared in accordance with Regulation (EC) 1907/2006 (REACH) and 2015/830		

Section 1. SUBSTANCE/MIXTURE IDENTIFICATION AND COMPANY IDENTIFICATION

1.1. PRODUCT IDENTIFICATION

Commercial name: Silicone impregnate P-I

1.2. IMPORTANT IDENTIFIED APPLICATION OF THE SUBSTANCE or MIXTURE and DISCOURAGED APPLICATIONS

Identified applications:

Product designated for hydrophobic impregnation of artificial stone made from concrete, gypsum and cement tiles, brick, sandstone, concrete foundations, cement mortar and other absorptive construction foundations.

Discouraged applications: other than recommended.

1.3. DETAILS CONCERNING THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET:

PHU PANJUST Jan Lach
ul. Malachitowa 4; 59-300 Lubin
Tel./fax 76 7111 746; Mobile: 503 012 567
e-mail: kontakt@panjust.pl

1.3. EMERGENCY PHONE NUMBER:

Tel./fax 76 7111 746 (during working hours), between Mon and Fri
998, from landlines 112, or the nearest Fire Brigade unit.
Person responsible for material data safety sheets: jlach@panjust.pl

Section 2. IDENTIFICATION OF HAZARDS

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE

Classification in accordance with Regulation (EC) no. 1272/2008:

Physico-chemical hazard: Product not classified as hazardous.

Health hazard: Product not classified as hazardous.

Environmental hazard: Product not classified as hazardous.

Additional information: EUH208 - Contains: 5-chloro-2-metylo-2H-izotiazol-3-on and 2-metylo-2H-izotiazol-3-on (3:1). May cause allergic reaction.

2.2 MARKING ELEMENTS

Marking in accordance with Regulation 1272/2008/EC [CLP]:

Pictograms determining the type of hazard: None

Signal word: None

Expressions indicating the type of hazard (H):

None

Expressions indicating the precautions (P):

P101 If necessary, seek medical advice, show container or label.
P102 Keep away from children.
P280 Use protective glove/clothing/eye and face protection.
P302 + P352 IN CASE OF SKIN CONTACT: Wash with large amount of soapy water.
P333+P313 In case of skin irritation or rash: Seek medical advice/care.
P501 Dispose contents/container in accordance with local provisions.

Supplementary information:

EUH208 Contains: 5-chloro-2-metylo-2H-izotiazol-3-on and 2-metylo-2H-izotiazol-3-on (3:1). May cause allergic reaction.

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2.3. OTHER THREATS

Product does not contain PBT or vPvB.

Section 3. COMPOSITION/INFORMATION ABOUT COMPOSITION

3.1. SUBSTANCES

3.2. MIXTURES

Mixture. Product on the basis of water dispersion of polymer and modifying and preserving substances.

HAZARDOUS COMPONENTS:

Number	Component name	Classification	%
CAS: 55965-84-9 EC: 611-341-5 Index: 613-167-00-5 Area.: -	Mixture of 5-chloro-2-metylo-2H-izotiazol-3-on [EC: 247-500-7] and 2-metylo-2H-izotiazol-3-on [EC: 220-239-6] (3:1)	Acute Tox. 2 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1B H314, Skin Sens. 1 H317, Eye Dam. 1, H318, Aquatic Acute 1 H400, Aquatic Chronic 1 H410	<0,0015

**Substances for which maximum allowed workplace concentrations have been determined: none*

Expression meaning: H – see section 16

PBT / vPvB substances: Product does not contain substances classified as PBT and vPvB.

Section 4. FIRST AID MEASURES

4.1. FIRST AID MEASURES DESCRIPTION

General recommendations

In case of any worrying symptoms, doctor must be called immediately or the affected person taken to hospital, show packaging or label.

Skin contact

Wash the contaminated skin with plenty of water. Take off clothing and shoes. If symptoms occur, seek medical advice.

Eye contact:

Wash the eyes with running water, seek medical advice in case of irritation.

Inhalation poisoning: no hazard, in case of symptom occurrence, ensure supply of fresh air and seek medical help.

Swallowing

In case of swallowing, do not induce vomiting and wash the mouth with plenty of water. Seek medical help.

4.2. MOST IMPORTANT ACUTE AND DELAYED SYMPTOMS AND EFFECTS OF EXPOSURE

No data.

4.3. RECOMMENDATIONS CONCERNING ANY IMMEDIATE MEDICAL ASSISTANCE AND SPECIAL HANDLING MEASURES CONCERNING THE AFFECTED PERSON

In case of seeking medical assistance, it is recommended to show this data sheet to the person providing assistance.

Section 5. MEASURES IN CASE OF FIRE

5.1. FIRE FIGHTING MEASURES

Appropriate: Dispersed water flow, firefighting foams and powders, carbon dioxide.

Inappropriate: dense water flows.

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5.2. SPECIAL HAZARDS RELATED TO THE SUBSTANCE OR MIXTURE

Non-flammable product. Do not inhale gases created during explosions and fires. Decomposition products may contain the following compounds: carbon dioxide, carbon monoxide, nitrogen oxides and sulphur oxides.

5.3. INFORMATION FOR THE FIRE BRIGADE

Act in accordance with valid procedures for extinguishing fires of chemicals.

After a fire, do not allow the sewage to penetrate into sewage works and waters.

Post-fire sewage and residues shall be removed in accordance with the valid provisions.

source of air and protective uniforms and protective clothing resistant to the effects of chemical substances.

Section 6. PROCEDURE IN CASE OF UNINTENTIONAL RELEASE INTO THE ENVIRONMENT

6.1. INDIVIDUAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- for personnel not taking part in the firefighting: no actions shall be undertaken which pose risk to anyone, unless one is appropriately trained, do not touch or walk over the spilled material
- for personnel taking part in the firefighting: appropriate protective clothing (point 8)

6.2. PRECAUTIONS CONCERNING ENVIRONMENTAL PROTECTION

Do not allow to penetrate into sewage works / surface waters / ground waters.

If a large amount is released, notify police and fire brigade.

In case of release into sewage works or waters, notify relevant authorities.

6.3. METHODS AND MATERIALS PREVENTING THE SPREAD OF CONTAMINATION AND USED FOR THE REMOVAL OF CONTAMINATION

Do not allow large amounts of the product to penetrate sewage works, waters or soil.

The released product shall be moved via mechanical means to a designated, tight container in order to recover or safely dispose of the product. Allow the substances to evaporate or absorb them using appropriate absorptive material (e.g. sand, diatomite) and dispose of them safely. Remove contaminated soil and dispose of it safely. It is recommended to collect the dispersed product using a mineral sorbent.

6.4. REFERENCE TO OTHER SECTIONS

See sections 8, 13 and 15.

Section 7. HANDLING SUBSTANCES AND MIXTURES and THEIR STORAGE

7.1. PRECAUTIONS CONCERNING SAFE HANDLING

During the application and storage of the product, observe general provisions concerning the health and safety of working with chemicals.

RECOMMENDATIONS CONCERNING SAFE HANDLING

Wet product in packaging is not flammable. Use in accordance with designation and recommendations included in the manufacturer's manual. Observe the rules of personal hygiene, use appropriate measures of personal protection (see section 8).

RECOMMENDATIONS CONCERNING PROTECTION AGAINST FIRE AND EXPLOSION

Material is not explosive, however warehouses shall be treated as spaces exposed to explosion hazards in accordance with appropriate regulations.

RECOMMENDATIONS CONCERNING WORK HYGIENE

Avoid contamination of eyes and skin. Observe the general health and safety regulations in place. Act in accordance with the rules of good industrial hygiene practice.

Do not eat, drink or smoke in the workplace. Wash hands with soap and water after work. Do not use contaminated clothing. Contaminated clothing shall be taken off immediately and cleaned/washed before next use.

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7.2. SAFE STORAGE CONDITIONS, INCLUDING INFORMATION CONCERNING ANY MUTUAL INCOMPATIBILITIES

Store only in the original, tightly closed containers, in dry rooms and temperature between 5°C – 35°C. Protect against heat and direct sunlight. Protect against frost. Observe the smoking prohibition in the storage place. Keep away from food, beverages and fodders. Store in a place away from children. Also see section 10.

7.3. FINAL SPECIAL APPLICATION(S)

See section 1. In order to obtain additional information, contact the manufacturer/supplier.

Section 8. EXPOSURE INSPECTION AND INDIVIDUAL PROTECTION MEASURES

8.1. PARAMETERS CONCERNING INSPECTION

Highest allowed workplace concentration values / Monitoring procedures

Regulation of the Minister of Labour and Social Policy concerning the highest allowed concentrations and intensities of harmful factors in the work environment.

None

Monitoring procedure

Procedure, type and frequency of tests and measurements shall fulfil the requirements included in the Regulation of the Minister of Health concerning the tests and measurements of harmful factors in the work environment.

Allowed biological values

No data.

8.2. EXPOSURE INSPECTION

Technical inspection means

Ensure appropriate workplace ventilation within closed premises. See also section 7. It is recommended to install eye-rinsing devices near workplaces.

Individual protection measures.

Take off the product-contaminated clothing. Wash hands before each break and after work.

Do not eat, drink or smoke tobacco in the workplace. Avoid contact with skin. Do not allow for eye contamination.

Keep away from food, beverages and fodders.

Individual protection measures shall fulfil the requirements specified in norms and regulations.



Protection of airways

Not necessary in the conditions of sufficient ventilation. In conditions of insufficient ventilation, in case of working in the atmosphere containing the product's aerosol (particle filter P2).



Hand protection

Use protective clothing from natural materials (cotton) or synthetic fibres, gloves made from PCV, polyethylene, nitrile or natural rubber (thickness > 0.3 mm, puncture time > 480 min)). Gloves' protective properties do not only depend on the material they are made of. Protective timeframe may differ depending on the gloves' producer. In case of many substances, it is not possible to precisely estimate the gloves' protective timeframe. When considering the parameters provided by the glove manufacturer, attention shall be paid to whether the gloves maintain their protective properties.



Eye protection

Use goggle-type protective glasses, protecting against drops of liquid.



Skin protection

In line with workplace product exposure, wear appropriate protective clothing and footwear.

Environmental exposure inspection

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Protect against introduction to the civic water and sewage system or watercourses.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION CONCERNING MAIN PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	milky-white coloured liquid
Fragrance	:	weak, characteristic
Fragrance (<i>perception</i>) threshold	:	not applicable
pH value	:	7 to 7,5
Melting/freezing point	[°C]	: 0 (water)
Boiling point/range	[°C]	: 100 (water)
Flash point	[°C]	: not applicable
Speed of evaporation	:	no data available
Flammability (liquid)	:	not flammable
Upper-lower explosiveness threshold	:	not applicable (mixture does not pose risk of explosion).
Vapour pressure	:	not applicable
Vapour pressure in relation to air	:	no data available
Relative density	[kg/m ³]	: not applicable
Density in 20 °C	[kg/m ³]	: approx. 1020
Solubility in water	:	with water, mixable without limitations
Division factor of n-octanol/water	:	not applicable
Temperature of spontaneous combustion	:	not applicable
Temperature of decomposition	:	not applicable
Viscosity	[mPa s]	: 50-100
Explosive properties	:	no explosion hazard
Oxidizing properties	:	does not have oxidizing properties

9.2. OTHER INFORMATION

No data available.

Section 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Stable product, not subject to decomposition if used in conditions corresponding to the manual. Subject to changes with air access.

10.2. CHEMICAL STABILITY

Stable product in normal usage and storage conditions.

10.3. POSSIBILITY OF DANGEROUS REACTIONS' OCCURENCE

No data.

10.4. CONDITIONS WHICH SHALL BE AVOIDED

During storage, avoid temperatures below +5°C and above +35°C.

10.5. INCOMPATIBLE MATERIALS

Materials which react with water.

10.6. DANGEROUS DECOMPOSITION PRODUCTS

Unknown. Products released in a fire environment– section 5.

Section 11. TOXICOLOGICAL INFORMATION

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General information

The product is not classified as hazardous – see section 2.

11.1. INFORMATION REGARDING TOXICOLOGICAL EFFECTS

Acute toxicity

Mixture

Skin: ATE mix > 5000 mg/kg (calculated).

Airways (pairs): ATE mix > 3000 mg/kg (calculated)

Swallowing: ATE mix > 5000 mg/kg (calculated)

a) Corrosive effect/irritation of skin:

On the basis of available data, the classification criteria are not fulfilled.

b) Serious damage to eyes / eye irritation:

On the basis of available data, the classification criteria are not fulfilled.

c) Allergic effect on airways or skin:

Possible allergic reaction with skin contact.

d) Mutagenic effect on reproductive cells:

On the basis of available data, the classification criteria are not fulfilled.

e) Carcinogenicity:

On the basis of available data, the classification criteria are not fulfilled.

f) Harmful effect on fertility:

On the basis of available data, the classification criteria are not fulfilled.

g) Specific target organ toxicity – repetitive exposure:

On the basis of available data, the classification criteria are not fulfilled.

h) Hazard caused by aspiration:

On the basis of available data, the classification criteria are not fulfilled.

Symptoms and effects of exposure:

No data available.

COMPONENTS:

Mixture of 5-chloro-2-metylo- 2H-izotiazol-3-on [no. EC 247-500-7] and 2-metylo- 2H-izotiazol-3-on [no. EC 220-239-6] (3:1):

DL50 – orally rat 457 mg/kg

CL50 – inhalation rat 2.36 mg/l (4h)

DL50 – skin rabbit 660 mg/kg

Section 12. ECOLOGICAL INFORMATION

General information:

The product is not classified as hazardous to the environment.

12.1. TOXICITY

On the basis of available data, the classification criteria are not fulfilled.

COMPONENTS:

Mixture of 5-chloro-2-metylo- 2H-izotiazol-3-on [no. EC 247-500-7] and 2-metylo- 2H-izotiazol-3-on [no EC 220-

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239-61 (3:1):

Acute toxicity EC50 0.018 mg/l Algae 72 hours

Acute toxicity EC50 0.16 mg/l Daphnia 48 hours

Acute toxicity CL50 0.28 mg/l Fish - Bluegill 96 hours

Acute toxicity CL50 0.19 mg/l Fish 96 hours

12.2. STABILITY AND DECOMPOSITION POTENTIAL

No data available.

12.3. BIOACUMULATION POTENTIAL

No data available.

12.4. MOBILITY IN SOIL

No data available.

12.5. PROPERTIES ASSESSMENT RESULTS OF PBT and vPvB

Does not fulfil the criteria of PBT or vPvB.

12.6. OTHER HARMFUL EFFECTS

No data available.

Section 13. HANDLING WASTE

General information

As much as it possible, waste generation shall be reduced or eliminated.

Observe the precautions specified in section 7 and section 8.

13.1. METHODS OF WASTE DISPOSAL

Waste classification: appropriate for the place of generation, on the basis of the criteria included in the current provisions (*Regulation of the Minister of Environment of December 9 2014 on the waste catalogue, Journal of Laws 2014, No. 0, item 1923*).

Handling the waste product

If the product has been used in any further operations/processes, the end user shall define the generated waste and assign a relevant code to it. A particular waste code depends on the place and method of the product's application. The product's disposal method shall be consulted with the relevant local Department of Environmental Protection. Large amounts of the waste product shall be disposed of in accordance with the provisions in place.

08 01 20 water suspensions containing paints and varnishes other than those listed in 08 01 19

Handling the packaging waste Recycling or disposal of packaging waste shall be carried out in accordance with the provisions in place.

15 01 02 – packaging made of plastics.

Section 14. INFORMATION ABOUT TRANSPORT

The product is not classified as hazardous transport material.

WARNING: the packaging containing the product shall be secured against dislocation during transport, weather conditions and exposure to sunlight.

14.1. UN NUMBER – Not classified as hazardous material

14.2. UN CORRECT HAULAGE NAME – Not classified as hazardous material

14.3. TRANSPORT HAZARD CLASS (ES) – Not classified as hazardous material

14.4. PACKING GROUP – Not classified as hazardous material

14.5. ENVIRONMENTAL HAZARD – Not classified as hazardous material

14.6. SPECIAL PRECAUTIONS FOR USERS – Not classified as hazardous material

14.7. LOOSE TRANSPORT in accordance to appendix II to the MARPOL convention and the IBC code

Not classified as hazardous material.

Additional information for land transport (RID, ADR)

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Road and rail transport - ADR/RID

Not classified as hazardous material.

Maritime transport – IMDG

Not classified as hazardous material.

Aviation transport - ICAO/IATA

Not classified as hazardous material.

Section 15. INFORMATION CONCERNING THE LEGAL PROVISIONS

15.1. LEGAL PROVISIONS CONCERNING SAFETY, HEALTH AND ENVIRONMENTAL PROTECTION SPECIFIC TO THE SUBSTANCE OR MIXTURE

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.
2. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the EU L No. 353 from 31.12.2008, as amended).
3. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended.
4. Act of February 25 2011 on the chemical substances and their mixtures (Journal of Laws from 2011, No. 63, Item 332, as amended; uniform text Journal of Laws from 2015, No.0, item 1203).
5. Regulation of the Minister of Labour and Social Policy of June 6 2014 concerning the highest allowed concentrations and intensities of harmful factors in the work environment (Journal of Laws from 2014, No. 0, item 817, as amended; uniform text Journal of Laws from 2017, No. 0, item 1348).
6. Regulation of the Minister of Health of December 30 2004 concerning the health and safety related to the occurrence of chemical agents in the workplace (Journal of Laws from 2005, No. 11, item 86, as amended; uniform text Journal of Laws from 2016, No. 0, item 1488).
7. Regulation of the Minister of Economy of December 21 2005 on the essential requirements for the means of personal protection (Journal of Laws from 2005, No. 259, item 2173).
8. Regulation of the Minister of Health of February 2 2011 concerning the tests and measurements of harmful factors in the work environment (Journal of Laws from 2011, No. 33, item 166).
9. Act of August 19 2011 on the haulage of hazardous goods (uniform text: Journal of Laws from 2016, No. 0, item 1834, as amended).
10. Act of December 14 2012 on the waste (Journal of Laws from 2013, No. 0, item 21, as amended; uniform text Journal of Laws from 2016, No. 0, item 1987).
11. Act of June 13 2013 on the packing and packing waste management (Journal of Laws from 2013, No. 0, item 888, as amended; uniform text Journal of Laws from 2016, No. 0, item 1863).
12. Regulation of the Minister of Environment of December 9 2014 on the waste catalogue (Journal of Laws from 2014, No. 0, item 1923).

15.2. CHEMICAL SAFETY ASSESSMENT

Not required for the mixture.

Section 16. OTHER INFORMATION

Meanings of expressions and abbreviations included in the data sheet:

H301 – Toxic effect after swallowing

H311 – Toxic effect in skin contact

H314 – Causes serious damage to skin and eyes

H317 – May cause a skin allergic reaction

H318 - Causes serious eye irritation

H331 – Has toxic effect after inhaling

H400 – Has very toxic effect on water organisms

H410 - Has very toxic effect on water organisms, causing long-term effects.

Acute Tox. 3 – acute toxicity, category 3

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Aquatic Acute 1 – hazardous to water environment, category 1
Aquatic Chronic 1 – hazardous to water environment, chronic toxicity, category 1
Skin Corr. 1B - corrosive effect / irritation of skin, category 1B
Skin Sens. 1 – skin allergic effect, category 1
Eye Dam. 1 - Serious damage to eyes, causing eye irritation, category 1.

TLV Threshold limit value (permissible exposure limit)
TLV-STEL Short time exposure limit
TLV –CL Ceiling exposure limit
vPvB (Substance) Very durable and with a high ability of bioaccumulation
PBT (Substance) Durable, displaying ability of bioaccumulation and toxic
PNEC Predicted non-effect concentration
DN(M)EL Derived No (minimal) Effect level
LD50 Dose at which death of 50% of tested animals is observed
LC50 Concentration at which death of 50% of tested animals is observed
LOEC Lowest observed effect concentration
NOEC No observed effect concentration
RID Regulation concerning the Carriage of Dangerous Goods by Rail
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG International Maritime Dangerous Goods Code
IATA International Air Transport Association

The information included in this document is based on the level of knowledge concerning the discussed mixture at the time specified by the date and is provided in good faith. It has only been provided as guidelines concerning the safe usage, processing, storage, transport and disposal in case of unintended release into the environment and cannot be treated as the product's quality guarantees. This material safety data sheet does not release the mixture's user from observing the legal and administrative provisions as well as the health and safety provisions which shall be applicable here.

The mixture classification has been carried out using the quantitative method, on the basis of the legal acts in place, listed in section 15.1 and the data available regarding the substance obtained from the suppliers of raw materials.

End of material safety data sheet