

This form has been prepared according to regulation (EC) No 453/2010 and regulation on Material Safety Data Sheet related to Hazardous Substances and Mixtures (R.G. 13.12.2014-29204).

**PERMOLİT PERMOSİL ANTİBAKTERİYEL SİLİKONLU MAT İÇ CEPHE BOYASI / PERMOLIT PERMOSIL ANTIBACTERIAL SILICONE MATT INTERIOR PAINT**

Preparation Date : 22.06.2020  
Form No : GBF 03.212

Revision Date : -  
Revision No : -

**1. Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product identifier**

Permolit Permosil Antibacterial Silicone Matt Interior Paint

**1.2. Relevant identified uses of the mixture and uses advised against**

Water based, acrylic emulsion based, silicone added, decorative, matt, cleanable, antibacterial, topcoat interior paint.

**1.3. Details of the supplier of the safety data sheet**

Name : Akçalı Boya ve Kimya San. Tic. A.Ş.  
Address : Osmangazi M. Mareşal Fevzi Çakmak C. No:5 Esenyurt – İstanbul / Türkiye  
Tel / Fax : +90 0212 886 23 43 (Pbx) / +90 0212 886 18 11  
Contact e-mail : seval.karahasan@akcaliboya.com.tr

**1.4. Emergency telephone number**

Emergency telephone number : +90 212 886 23 43  
National Toxic Consultation Center : 114 (UZEM)

**2. Hazards Identification****2.1. Classification of the substance/mixture**

Classification according to regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures and Turkish regulation R.G. 11.12.2013-No: 28848 (repeating):

Aquatic Chronic 3 H412 : Harmful to aquatic life with long lasting effects.

EUH 208: Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Cas No: 55965-84-9). May produce an allergic reaction.

**2.2. Label elements****Hazard Statements**

H412 : Harmful to aquatic life with long lasting effects.

EUH 208 Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Cas No: 55965-84-9). May produce an allergic reaction.

**Precautionary Statements**

P102 : Keep out of reach of children.

P262 : Do not get in eyes, on skin, or on clothing.

P270 : Do not eat, drink or smoke when using this product.

P302+P352 : IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 : Dispose of contents/container through licensed companies.

**2.3. Other hazards**

It has not been classified to according to PBT and vPvB.

**MATERIAL SAFETY DATA SHEET**

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**3. Composition/Information on the Ingredients**
**3.2. Mixture**

Ingredient Name	EC No	CAS No	%	Classification
Ethylene glycol	203-473-3	107-21-1	<1	GHS07; Acute Tox. 4 *-H302
2-(2-butoxyethoxy) ethanol	203-961-6	112-34-5	< 0,4	GHS07; Eye Irrit.2-H319
3-iodo-2-propynylbutylcarbamate (IPBC)	259-627-5	55406-53-6	< 0,1	GHS05; Eye Dam.1-H318 GHS06; Acute Tox.3*-H331 GHS07; Acute Tox.4 *-H302 Skin Sens. 1-H317 GHS08; STOT RE 1-H372 GHS09; Aquatic Acute 1-H400 (M=10) Aquatic Chronic 1-H410 (M, kronik=1)
Pyrithione zinc	236-671-3	13463-41-7	< 0,15	GHS06; Acute Tox. 3 *-H301 Acute Tox. 3 *-H331 GHS05; Eye Dam.1-H318 GHS09; Aquatic Acute 1-H400 (M=100) Aquatic Chronic 1-H410 (M, kronik=10)
(ethylenedioxy)dimethanol	222-720-6	3586-55-8	< 0,05	GHS07; Acute Tox. 4-H302 Skin Irrit. 2-H315 GHS05; Eye Dam. 1-H318
Zinc oxide	215-222-5	1314-13-2	< 0,05	GHS09; Aquatic Acute 1-H400 (M=1) Aquatic Chronic 1-H410 (M, kronik=1)
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6)	611-341-5	55965-84-9	<0,0015	GHS06; Acute Tox. 3*-H301 Acute Tox. 2*-H310 Acute Tox. 2*-H330 GHS05; Skin Corr. 1C-H314 Eye Dam. 1-H318 GHS07; Skin Sens. 1A-H317 GHS09; Aquatic Acute 1-H400 (M=100) Aquatic Chronic 1-H410 (M, kronik=100)

\*For the explanation of the listed hazard statements refer to Section 16.

**4. First Aid Measures**
**4.1 Description of first aid measures**

Inhalation : Remove to fresh air. In case of persistent complaints obtain medical attention.

Ingestion : Do not induce vomiting. Immediately obtain medical attention.

Skin contact : Remove contaminated clothing. Clean the skin with water, soap and special cleaning cream.

Eye contact : Flush eye with copious quantities of water. If irritation occurs, obtain medical attention.

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

Other information is not available.

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

Other information is not available.

**5. Firefighting Measures**

The product isn't flammable.

**5.1 Extinguishing media**

Suitable extinguishing media : Water, dry chemical powder, foam, CO<sub>2</sub>, inert absorbent sand.  
Unsuitable extinguishing media : No

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

If fire starts, not breathe the fume

**5.3 Advice for firefighters**

Use suitable protective clothes, boots, gloves, eye and face protective, breathing equipment.

**6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

If leak and spill occurs, ventilate the environment sufficiently, wear personal protective equipment.

**6.2 Environmental precautions**

Keep away from drains, surface and ground water and soil.

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

Use sand, sawdust or inert absorbent material to limit product leakage. Transfer the leaky material to suitable containers for safe disposal. Soak up with an appropriate absorbent material and put it in a closed container for safe disposal in accordance with current legislation (Section 13).

**6.4 Reference to other sections**

Responding to accident place, wear personal protective equipment in Section 8 and dispose of waste in accordance with procedure in Section 13.

**7. Handling and Storage****7.1 Precautions for safe handling**

Use in well-ventilated areas. Extra special precautions aren't required. Avoid product releasing unrestrainedly.

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

Store in closed package at ambient temperature protecting from direct sun lights and hot. Product isn't flammable and explosive.

**7.3 Specific end use(s)**

Use by looking product label.

**8. Exposure Controls/Personal Protection****8.1 Control parameters**

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Indicative occupational exposure limit values:

Ingredient Name	TWA-8 hours, skin		STEL-15 minutes, skin	
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
Ethylene glycol Cas No: 107-21-1	52 mg/m <sup>3</sup>	20 ppm	104 mg/m <sup>3</sup>	40 ppm
2-(2-butoxyethoxy) ethanol Cas No: 112-34-5	67,5 mg/m <sup>3</sup>	10 ppm	101,2mg/m <sup>3</sup>	15 ppm

**8.2 Exposure controls**

Personal protective equipment

Respiratory protection : Special equipment isn't required. Provide ventilation in working area.  
Hand protection : Wear waterproof rubber gloves with CE marking.  
Eye protection : Use eyewear with CE marking.  
Skin protection : Not require special clothes. Take off working-clothes after usage.

**9. Physical and Chemical Properties**
**9.1 Information on basic physical and chemical properties**

Appearance : Liquid  
Colour : Card colours  
Odour : Special characteristic odour  
Viscosity : 125 ± 7 KU (25°C)  
Density : 1,54 ± 0,15 gr/cm<sup>3</sup> (25°C)  
pH : 8,5 ± 1  
Solid : 63 ± 5 (120°C 30 min)  
Flash point : Not applicable  
Self igniting : Product is not self igniting  
Boiling point : Not determined  
Melting point : Not determined  
Solubility : Soluble in water  
VOC : <11 g/L\*

\*ready to use

**9.2 Other information**

Other information is not available.

**10. Stability and Reactivity**
**10.1 Reactivity** : Under normal conditions, product does not react.  
**10.2 Chemical stability** : 2 years in sealed pot at room temperature. Store on pallet in a dry and cool place. Protect from direct sun light and freezing.  
**10.3 Possibility of hazardous reactions** : Not  
**10.4 Conditions to avoid** : Not special conditions.  
**10.5 Incompatible materials** : Not special materials.  
**10.6 Hazardous decomposition products** : No hazardous decomposition products known.

**11. Toxicological Information**
**11.1 Information on toxicological effects**

No toxicity data are available for the product.

Ingestion : Not detected a problem.  
Inhalation of vapour : Not detected a problem.  
Skin contact : Not detected a problem.  
Eye contact : It may cause irritation eyes.

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Toxicity of the ingredients:

Ingredient name	
3-iodo-2-propynylbutylcarbamate (IPBC) Cas No: 55406-53-6	LD 50: 1795 mg/kg bw (rat) – acute oral toxicity LD 50: > 2000 mg/kg bw (rabbit), acute dermal toxicity LC 50: > 6,89 mg/L (rat) - 4 saat acute inhalation toxicity
Pyrrithione zinc Cas No: 13463-41-7	LD50: 302 mg/kg bw (rat) – acute oral toxicity LD50: > 2000 mg/kg bw (rat) – acute dermal toxicity LC50: 1,34 mg/L (rat) – acute inhalation toxicity

**12. Ecological Information**

Harmful to aquatic life with long lasting effects.

**12.1 Toxicity**

: No ecotoxicity data are available for the product.

Ecotoxicity of the ingredients:

Ingredient name	
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) Cas No: 55965-84-9	EC50/48 hours 0,1 mg/l (Daphnia magna) EC50/72 hours 0,048 mg/l (Pseudokirchneriella subcapitata) EC50/96 hours 0,22 mg/l (Oncorhynchus mykiss)
Pyrrithione zinc Cas No: 13463-41-7	EC50/48 hours 0,051 mg/l (Daphnia magna) EC50/72 hours 0,051 mg/l (Pseudokirchneriella subcapitata) LC50/96 hours 0,0104 mg/l (Brachydanio rerio)
Zinc oxide Cas No: 1314-13-2	EC50/48 hours 0,17 mg/l (Daphnia magna) LC50/96 hours 0,14 mg/l (Oncorhynchus mykiss)

**12.2 Persistence and degradability** : No available data

**12.3 Bioaccumulative potential** : No bioaccumulative potential for product

**12.4 Mobility in soil** : No mobility

**12.5 Results of PBT and vPvB assessment** : No available data

**12.6 Other adverse effects** : No available data

**13. Disposal Considerations**

Disposal of waste/surplus and contaminated packaging should be carried out in accordance with applicable regional, national and local laws and regulations. According to Turkish regulation of Waste Management (R.G. 02.04.2015 No: 29314), waste codes:

Waste paint and varnish : 080111

Contaminated package : 150110

Contaminated waste : 150202

**13.1 Waste treatment methods**

Do not allow product to reach sewage system.

Wastes should be sent to licensed recycling facility

**14. Transport Information**

Road Transport : ADR / RID ve GGVS / GGVE

Marine Transport : IMDG / GGVSea

Air Transport : ICAO – TI ve IATA DGR

Product isn't dangerous goods according to these regulations.

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- 14.1 UN 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** : Not applicable.  
**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**

The product has been classified and marked according to Globally Harmonized System (GHS).

Regulation EC No 1272/2008 of the European Parliament and of the Council 16 December 2008 on Classification, Labelling and Packaging of Substances and Mixtures and Turkish Regulation about Classification, Labelling and Packaging of Substances and Mixtures-R.G. 11.12.2013-No: 28848 (repeating),

Regulation (EC) No 453/2010 and regulation on Material Safety Data Sheet related to Hazardous Substances and Mixtures (R.G. 13.12.2014-29204),

This form has been prepared according to regulations above.

Indicative occupational exposure limit values have been written in accordance with Directive 98/24/EC and Turkish regulation Health and Safety Precautions on Working with Chemical Material 12.08.2013-28733.

VOC of product has been calculated according to 2004/42/EC.

**16. Other Information**

Explanation of the hazard and precautionary statements according to (EC) No 1272/2008 and Turkish regulation R.G. 11.12.2013-No: 28848 (repeating):

**Hazard Statements**

- H301 : Toxic if swallowed  
H302 : Harmful if swallowed  
H310 : Fatal in contact with skin  
H314 : Causes severe skin burns and eye damage  
H315 : Causes skin irritation  
H317 : May cause an allergic skin reaction  
H318 : Causes serious eye damage  
H319 : Causes serious eye irritation  
H330 : Fatal if inhaled  
H331 : Toxic if inhaled.  
H372 : Causes damage to organs through prolonged or repeated exposure  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

Name-Surname : Seval KARAHASAN  
MSDS Certificate No : GBF-A-0-2787  
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**Note:** The data given here is based on our current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.