

**MATERIAL SAFETY DATA SHEET**

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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).

**PERMOLIT PERMOYAT YAT VERNİK (PARLAK) / PERMOYAT YACHT VARNISH (GLOSSY)**

Preparation Date : 08.05.2017  
Form No : GBF 04.017

Revision Date : 01.01.2018  
Revision No : 2

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

Permolit Permoyat Yacht Varnish (Glossy)

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

Used on the wooden parts of marine vessels, on any indoor and outdoor wooden surfaces in the buildings and on the furniture made of wood.

**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 : zekir.senol@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):

GHS02

Flammable Liquid 3 H226 Flammable liquid and vapour

GHS08

Aspiration Toxicity 1 H304 May be fatal if swallowed and enters airways  
STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

GHS07

Skin Sensation 1 H317 May cause an allergic skin reaction

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

Signal Word : Danger

Pictograms : GHS02, GHS08

**Hazard Statements**

H226 : Flammable liquid and vapour

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H304 : May be fatal if swallowed and enters airways  
H317 : May cause an allergic skin reaction.  
H372 : Causes damage to organs through prolonged or repeated exposure.  
H412 : Harmful to aquatic life with long lasting effects.  
EUH066 : Repeated exposure may cause skin dryness or cracking.

**Precautionary Statements**

P102 : Keep out of reach of children.  
P210 : Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.  
P260 : Do not breathe dust/fume/gas/mist/vapours/spray.  
P301+P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352 : IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P403+P233 : Store in a well-ventilated place. Keep container tightly closed.  
P501 : Dispose of contents/container through licensed companies.

Hazardous components requiring labelling: Solvent naphtha (petroleum), medium aliph (Cas No: 64742-88-7), 2-butanone oxime (Cas No: 96-29-7) and Cobalt bis(2-ethylhexanoate) (Cas No: 136-52-7).

**2.3. Other hazards**

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

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

Ingredient name	EC No	CAS No	%	Classification (EC 1272/2008)
Solvent naphtha (petroleum), medium aliph	265-191-7	64742-88-7	<35	GHS08; Asp. Tox.1-H304 STOT RE 1-H372
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	64742-82-1	<15	GHS02; Flam.Liq. 3-H226 GHS08; STOT RE 1-H372 Asp. Tox.1-H304 GHS09; Aquatic Chronic 2, H411 GHS07; STOT SE 3-H336 EUH066
2-butanone oxime	202-496-6	96-29-7	<0,5	GHS08; Carc. 2-H351 GHS05; Eye Dam. 1-H318 GHS07; Acute Tox. 4*-H312 Skin Sens. 1-H317
Cobalt bis(2-ethylhexanoate)	205-250-6	136-52-7	<0,3	GHS08; Repr. 2-H361 GHS09; Aquatic Acute 1-H400 (M=1) GHS07; Eye Irrit. 2-H319 Skin Sens. 1A-H317 Aquatic Chronic 3-H412

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

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**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.

**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 contains flammable solvents.

**5.1 Extinguishing media**

Suitable extinguishing media : Dry chemical powder, foam, CO<sub>2</sub>, inert absorbent sand, waterfog.

Unsuitable extinguishing media : Never response to fire with pressured water. Water causes to fire releasing. Only water can be used for cooling the environment.

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

If fire starts, toxic fumes may be released, so not breathe the fume

**5.3 Advice for firefighters**

Wear suitable protective clothes, boots, gloves, eye and face protective, self-contained breathing apparatus. Keep adjacent containers cool by spraying with water, immediately remove from the fire place.

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

If leak and spilt occurs, ventilate the environment sufficiently, wear personal protective equipment. Remove ignition sources and do not smoke. Be carefully, because solvents which product include can be collected close to ground and pit. It is heavy from air.

**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 only in well-ventilated areas. Do not breathe vapour or spray. Take measure against static electricity. Keep ignition sources away and do not smoke. Avoid eye and skin contact.

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

Store in closed package at ambient temperature, in a well ventilated shady cool place. Keep ignition sources away and do not smoke.

**7.3 Specific end use(s)**

Use by looking product label.

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

Indicative occupational exposure limit values:

Ingredient name	TWA-8 hours, skin		STEL-15 minutes, skin	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	290 mg/m <sup>3</sup>	50 ppm	580 mg/m <sup>3</sup>	100 ppm

**8.2 Exposure controls**

Provide sufficient ventilation. Do not breathe vapours or aerosols. Do not eat, drink or smoke at work.

Personal protective equipment

Respiratory protection : Use A1 type organic solvent mask. Provide ventilation in working area.

Hand protection : Wear solvent resistant nitril gloves with CE marking. Wash your hands after pulling off gloves.

Eye protection : Use solvent resistant eyewear with CE marking, designed to protect against splash of liquids.

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, transparent

Colour : Colourless

Odour : Special characteristic odour

Viscosity : 72 ± 5 KU (25°C)

Density : 0,89 ± 0,05 gr/cm<sup>3</sup> (25°C)

Solid : 50 ± 2 (120°C 30 min)

pH : Not applicable

Flash point : > 38°C

Self igniting : Product is not self igniting

Boiling point : Not determined

Melting point : Not determined

Solubility : Insoluble in water. Soluble organic solvent (aromatic solvent, ester)

**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** : Stable under normal conditions of storage and use.

**10.3 Possibility of hazardous reactions** : Not expected under normal conditions of storage and use.

**10.4 Conditions to avoid** : Avoid overheating and all kinds of ignition sources.

**10.5 Incompatible materials** : Avoid strong acids, bases, oxidizing materials to prevent heat dependent reactions,

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**10.6 Hazardous decomposition products** : In case of thermal decomposition and fire, toxic gases or vapours may occur.

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

No toxicity data are available for the product.

Ingestion : May cause nausea, vomiting and diarrhoea.  
Inhalation of vapour : May cause headache, dizziness, fatigue, muscle pain.  
Skin contact : Concentration in excess of the stated occupational exposure limit may cause skin irritation.  
Eye contact : At liquid state or spray may cause irritation eyes.

Toxicological effects of ingredients of product:

Ingredient name	Acute toxicity
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) EC No: 919-446-0	LC 50 rat: > 1,58 mg/l, 4 hours, acute inhalation toxicity LD 50 rat: > 15000 mg/kg, acute oral toxicity LD 50 rabbit: > 3400 mg/kg, acute dermal toxicity
2-butanone oxime Cas No: 96-29-7	LD 50 rat: 20mg/l, 4 hours, acute inhalation toxicity LD 50 rat: 930 mg/kg, acute oral toxicity Eyes, rabbit : acute irritation
Cobalt bis(2-ethylhexanoate)	LD 50 rat: 3129 mg/kg, acute oral toxicity

**12. Ecological Information**

No ecotoxicity data are available for the product.

**12.1 Toxicity** : No available data  
**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.

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**14. Transport Information**


	<b>ADR</b>	<b>IMDG</b>	<b>IATA/ICAO</b>
<b>14.1 UN number</b>	: 1263	1263	1263
<b>14.2 UN proper shipping name</b>	: Paint	Paint	Paint
<b>14.3 Transport hazard class(es)</b>	: 3 (Flam. Liq.)	3 (Flam. Liq.)	3 (Flam. Liq.)
Class code	: F1		
<b>14.4 Packing group</b>	: III	III	III
<b>14.5 Environmental hazards</b>	: Not applicable		
<b>14.6 Special precautions for user</b>	: Not applicable		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:</b>	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 and suppliers.

**16. Other Information**

Revision has been carried out due to changes in Section 2 and 3.  
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**

H226 : Flammable liquid and vapour  
H304 : May be fatal if swallowed and enters airways  
H312 : Harmful in contact with skin  
H317 : May cause an allergic skin reaction  
H318 : Causes serious eye damage  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.  
H351 : Suspected of causing cancer  
H361 : Suspected of damaging fertility or the unborn child  
H372 : Causes damage to organs through prolonged or repeated exposure  
H400 : Very toxic to aquatic life.  
H411 : Toxic to aquatic life with long lasting effects.  
H412 : Harmful to aquatic life with long lasting effects.  
EUH066: Repeated exposure may cause skin dryness or cracking.

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Name-surname : Zekir ŞENOL  
MSDS certificate no : GBF – 1904  
Document date : 13.04.2015

**Not** : 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.