

MATERIAL SAFETY DATA SHEET

Page No : 1 / 7

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 PERMOVERNİK VERNİKLİ AHSAP KORUYUCU / PERMOVERNİK WOOD VARNISH

Preparation Date : 02.01.2017
Form No : GBF 04.027

Revision Date : 22.09.2017
Revision No : 5

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

Permolit Permovernik Wood Varnish

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

Wood varnish

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
H304 : May be fatal if swallowed and enters airways
H317 : May cause an allergic skin reaction.

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Preparation Date	: 02.01.2017	Revision Date	: 22.09.2017
Form No	: GBF 04.027	Revision No	: 5

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), butanone oxime (Cas No: 96-29-7), 3-iodo-2-propynylbutylcarbamate (IPBC) (Cas No: 55406-53-6) 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	<33	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	<16	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
Butanone oxime	202-496-6	96-29-7	<0,8	GHS08; Carc. 2-H351 GHS05; Eye Dam. 1-H318 GHS07; Acute Tox. 4*-H312 Skin Sens. 1-H317
2-ethylhexanoic acid, zirconium salt	245-018-1	22464-99-9	<0,8	GHS08; Repr. 2-H361d
2-(2-butoxyethoxy)ethanol	203-961-6	112-34-5	<0,5	GHS07; Eye Irrit. 2-H319

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Calcium isononanoate	258-901-1	53988-05-9	<0,5	GHS07; Acute Tox.4-H302 Eye Irrit. 2-H319
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
3-iodo-2-propynylbutylcarbamate (IPBC)	259-627-5	55406-53-6	<0,15	GHS05; Eye Dam.1-H318 GHS06; Acute Tox.3*-H331 GHS07; Acute Tox.4 *-H302 Skin Sens. 1-H317 GHS08; STOT RE 1-H372
Solvent naphtha (petroleum), light arom	265-199-0	64742-95-6	<0,1	GHS08; Asp. Tox.1-H304 Carc. 1B-H350 Muta. 1B-H340
Oct-1-ene	203-893-7	111-66-0	<0,1	GHS02; Flam.Liq.2; H225 GHS08; Asp. Tox.1; H304 GHS09; Aquatic Chronic 1-H410 Aquatic Acute 1-H400 (M=1)

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

**Benzene < 0,1% w/w

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, CO₂, 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

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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.

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 ³	50 ppm	580 mg/m ³	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.

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Preparation Date	: 02.01.2017	Revision Date	: 22.09.2017
Form No	: GBF 04.027	Revision No	: 5

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 : Card Colours
 Odour : Special characteristic odour
 Viscosity : 58 ± 5 KU (25°C)
 Viscosity : 12 ± 2 s forth cup (25°C)
 Viscosity : 90 ± 5 mPa.s (40°C / 20 rpm)
 Density : 0,79-0,97 gr/cm³ (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,
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
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
3-iodo-2-propynylbutylcarbamate	LC 50 rat > 6,89 mg/l, 4 hours, acute inhalation toxicity LD 50 rat: 300-500 mg/kg, acute oral toxicity

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(IPBC) Cas No: 55406-53-6	LD 50 rat: > 2000 mg/kg, acute dermal toxicity
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.

14. Transport Information



	ADR	IMDG	IATA/ICAO
14.1 UN number	: 1263	1263	1263
14.2 UN proper shipping name	: Paint	Paint	Paint
14.3 Transport hazard class(es)	: 3 (Flam. Liq.)	3 (Flam. Liq.)	3 (Flam. Liq.)
Class code	: F1		
14.4 Packing group	: III	III	III
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),

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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 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

H225 : Highly flammable liquid and vapour
H226 : Flammable liquid and vapour
H302 : Harmful if swallowed
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.
H331 : Toxic if inhaled
H336 : May cause drowsiness or dizziness.
H340 : May cause genetic defects
H350 : May cause cancer
H351 : Suspected of causing cancer
H361 : Suspected of damaging fertility or the unborn child
H361d: Suspected of damaging the unborn child
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
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.

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.