FPB.001-11.01

SAFETY DATA SHEET

Titanium Anti Aging Universal Impregnated

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name Titanium Anti Aging Universal Impregnated

Product number 640

Container size 0,75 L, 2,5 L, 15 L

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

Identified uses It can be easily used on all new and old woods, brick, stone, palladian, travertine, marble, concrete, raw plaster, matte ceramics.

1.3. Details of the supplier of the safety data sheet

Supplier
POLİSAN KANSAI BOYA SAN. VE TİC. A.Ş.
Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ
TURKIYE
www.kansaipolisan.com.tr
+90 262 679 60 00
+90 262 606 03 70
info@kansaipolisan.com

Contact person OHS DEPARTMENT

Manufacturer
POLİSAN KANSAI BOYA SAN. VE TİC. A.Ş.
Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ
TURKIYE
www.kansaipolisan.com.tr
+90 262 679 60 00
+90 262 606 03 70
info@kansaipolisan.com

.

1.4. Emergency telephone number

Emergency telephone POLİSAN BOYA SANAYİ TİC. A.Ş. : +90 262 679 73 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 1 - H372 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 3 - H412

Classification (Regulation (EC) No. 1272/2008 CLP).

2.2. Label elements

Titanium Anti Aging Universal Impregnated

Hazard pictograms



Signal word Danger

Hazard statements

EUH208 Contains Reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). May produce an allergic reaction.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H372 Causes damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P260 Do not breathe vapour/ spray.
P263 Avoid contact during pregnancy and while nursing.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container in accordance with national regulations.
P102 Keep out of reach of children.
P103 Read label before use.
P272 Contaminated work clothing should not be allowed out of the workplace.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

Contains xylene, WHITE SPIRIT, 2-methylpropan-1-ol

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current UK criteria. This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

xylene **40-60%**

CAS number: 1330-20-7 EC number: 215-535-7

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315

Titanium Anti Aging Universal Impregnated

2-methylpropan-1-ol	**1-5%**
CAS number: 78-83-1	EC number: 201-148-0

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
STOT SE 3 - H335, H336

ACETONE	**1-5%**
CAS number: 67-64-1	EC number: 200-662-2

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

BUTYL ACETATE -norm	**1-5%**
CAS number: 123-86-4	EC number: 204-658-1

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336

2-methoxy-1-methylethyl acetate	**<1%**
CAS number: 108-65-6	EC number: 203-603-9

Classification
Flam. Liq. 3 - H226

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation If the exposed person is breathing, remove to fresh air and bring to resting position. If the exposed person does not breathe, give artificial respiration. If unconscious, lay in side position and move while laying in side position if necessary. Get immediate medical attention. Call the poison center.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact Remove the victim from the contamination source. Wash thoroughly with plenty of soap and water in case of contact with skin. Immediately remove all contaminated clothing in case of contact with skin or hair. Rinse your skin with water / shower. If symptoms occur after washing, seek immediate medical attention.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes.

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

General information Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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

Notes for the doctor There is no specific antidote. Treat symptomatically.

Titanium Anti Aging Universal Impregnated

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Pressurised container: may burst if heated The product is flammable. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

Hazardous combustion products Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Do not eat, drink or smoke when using this product. Avoid contact with eyes and skin. Wash thoroughly soiled skin after handling. Do not take contaminated clothing out of the workplace. Provide adequate ventilation. Just use the outside and a well-ventilated area. Remove all contaminated clothes and wash them before use. Use explosion-proof electrical material. Just use tools that do not fire. In case of fire: Use foam, carbon dioxide, dry powder or water spray for extinguishing. Avoid contact during pregnancy/while nursing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Avoid spilling. Keep tightly closed in its original packaging in a dry, cool and well-ventilated place. Keep only in original container.Ground/bond container and receiving equipment. Take precautionary measures against static discharge.

7.3. Specific end use(s)

Usage description Use the product according to its Technical Data Sheet or instructions written on the label. Read label before use.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk, BMGV

Titanium Anti Aging Universal Impregnated

2-methylpropan-1-ol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³
Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³
Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³
Sk

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.
BMGV = Biological monitoring guidance value.

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Personal protection Avoid spillage. Avoid contact with eyes and skin. Provide adequate ventilation. Avoid inhalation of vapors. Use an approved respirator if air pollution is acceptable.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Use protective gloves.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear, yellowish liquid.

Colour The colors covered in the Polisan Color Catalogue.

Odour Slight pungent.

pH Not applicable

Flash point ˃38 °C

Relative density 0,84-0,90 g/mL

9.2. Other information

Parlaklık 80-100 Gloss (60°)

Katı Madde 18±1

Titanium Anti Aging Universal Impregnated

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under normal conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Conditions to avoid The active ingredients in the product will be effective for at least 2 years from the time the product is applied to the surface. During this time the applied surface will remain resistant to the mold and fungus on which the product is tested. It is recommended to use and apply the product within 1 month if the packaging cover is opened. Once applied, the mold and mushroom resistance on the surface will be 2 years. Shelf life of the product is 2 years if it is kept according to the recommended storage conditions and if the package is not opened.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong reducing agents. Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other health effects Causes severe eye irritation (3-iodo-2-propynyl-butylcarbamate) Eye irritation effect OECD 405 (eye) severe irritant (rat)

Toxicological effects ATEmix (oral); 1660 mg/kg (calculated) (3-iodo-2-propynyl-butylcarbamate)
ATEmix (dermal) >5000 mg/kg (calculated) (3-iodo-2-propynyl-butylcarbamate)

Acute toxicity - dermal

Notes (dermal LD_{50}) 3-iodo-2-propynyl butylcarbamate LD50 2 000 mg/kg bw (rabbit) (ECHA) 64742-88-7;White Spirit LD50: 2000 mg/kg bw (rabbit)

ATE dermal (mg/kg) 2,115.38

Acute toxicity - inhalation

Notes (inhalation LC_{50}) LC50 (4 h) 630 - 6890 mg/m³ air (rat) (3-iodo-2-propynyl butylcarbamate) (ECHA) 64742-88-7; White Spirit LC50 (4 h) 5.28 mg/L air (rat) (ECHA)

ATE inhalation (gases ppm) 8,653.85

ATE inhalation (vapours mg/l) 21.15

ATE inhalation (dusts/mists mg/l) 2.88

Serious eye damage/irritation

Serious eye damage/irritation Causes severe eye damage. Severe irritant (rat) (OECD 405, eye) (3-iodo-2-propynyl butylcarbamate)

Titanium Anti Aging Universal Impregnated

General information Acute toxicity:

3-iodo-2-propynyl butylcarbamate - CAS No: 55406-53-6
Acute, Oral, Rat, LD 50: >300 mg/kg
Acute, Dermal, Rat, LD 50:> 2000 mg / kg
Acute, inhalation, Rat, LC 50:> 7 mg / l (dust / mist)

Inhalation Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact May cause severe eye irritation.

Target organs Larynx

11.2 Information on other hazards

Information on other hazards

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity No data available.

Acute aquatic toxicity

Acute toxicity - fish LC50/96 h (dynamically); 0,145 mg/L (Oncorhynchus mykiss) (OECD 203) (3-iodo-2-propynyl-butylcarbamate)
LL50 /24 h : 5 - 17 mg/L (64742-88-7; White Spirit) (ECHA)

Acute toxicity - aquatic invertebrates EC50/48 h; 0.47 mg/L (Daphnia magna) (OECD 202) (3-iodo-2-propynyl-butylcarbamate)
EL50 /48h : 1,4 mg/L (64742-88-7; White Spirit) (ECHA)

Acute toxicity - microorganisms EC50/72 h; 0,049 mg/L (Pseudokirchneriella subcapitata) (OECD 201) (3-iodo-2-propynyl-butylcarbamate)
EL50 / 48 h : 1 - 3 mg/L (64742-88-7; White Spirit) (ECHA)

Chronic aquatic toxicity

Summary EL50 /21 days: 810 - 890 µg/L, (64742-88-7; White Spirit) (ECHA) NOEC / 21 d; 0.010 mg/L (Daphnia magna) (OECD 211) (3-iodo-2-propynyl-butylcarbamate)

12.2. Persistence and degradability

Persistence and degradability There is no information about experimantal datas of product

Stability (hydrolysis) Half-life for hydrolysis ; 4.633 months @ 25 °C (3-iodo-2-propynyl-butylcarbamate) (ECHA)

Biodegradation Half-life in water; 90 min @ 22 °C, Half-life in soil 2.1 h @ 22 °C (3-iodo-2-propynyl-butylcarbamate) (ECHA)

12.3. Bioaccumulative potential

Bioaccumulative potential There is no information about experimantal datas of product

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Adsorption/desorption coefficient Koc at 20°C 309 (3-iodo-2-propynyl butylcarbamate) (ECHA)

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Titanium Anti Aging Universal Impregnated

12.6 Endocrine disrupting properties

Endocrine disrupting properties

12.6. Other adverse effects

Other adverse effects	Any other negative effect on environment is not expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN number or ID number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT (CONTAINS ALKANES, C14-17, CHLORO, alpha-3-(3-(2H-BENZOTRIAZOL... MIXTURE EC INDEX 607-176-00-3)
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

Titanium Anti Aging Universal Impregnated

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Guidance	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

.

15.2. Chemical safety assessment

SECTION 16: Other information

General information	This safety data sheet information was prepared as a requirement of Chemical Substances Regulations. Product 1 Chapter gives other than those specified. Utilization of the product are beyond our control to special conditions, the supplier, the consumer is responsible for ensuring that the requirements of legislation on the subject. Information consisting of present-day situation in this safety data sheet are based on national legislation, health, safety and environmental respects the way. Technical performance and does not guarantee suitability for specific situations. Based on our present knowledge projects, but they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Issued by	Sahra Uzmaner / Certificate No: TÜV/11.212.10 / Date of Validity: 02.11.2028
Revision date	29/12/2023
Revision	05
Supersedes date	13/05/2016
SDS number	10445

Titanium Anti Aging Universal Impregnated

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). May produce an allergic reaction.

Signature

Sahra Uzmaner / Certificate No: TÜV/11.212.10 / Date of Validity: 02.11.2028

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.