

Group-Safety Data Sheet for TimeMAX Rust Protection Wax according to Regulation 1907/2006

Updated February 10, 2017

Page 1/5

Group 3, Trade Names: "TimeMAX 100 WAX", "TimeMAX 200 WAX", "TimeMAX 300 WAX"

TimeMAX Korrosionsschutz GmbH *Himmelstrasse 40 * 22299 Hamburg, Germany

1. Identifications: Company and Preparation/Product Information about the Manufacturer/Supplier

TimeMAX Korrosionsschutz GmbH* Phone: 0049 - (0)40 - 35 96 77 59
 Himmelstrasse 40 * D-22299 Hamburg, Germany
 E-Mail: info@timemax.de URL: www.timemax.de

Further Information can be obtained from: Sales/Workshop: **0049 - (0)40 - 460 93 91 0** (Monday to Thursday 8:00 to 16:30, Friday 8:00 to 14:00)

In Case of Emergency: **0049 - (0)172 - 27 04 600** (Mr. Gerd Cordes)

In Extreme Emergencies: Giftinformationszentrum Nord: **0049 - (0)551 - 19 24 0** (24h per day)

<p>Information about the Products</p> <p>TimeMAX 100 WAX, TimeMAX 200 WAX, and TimeMAX 300 WAX</p> <p>Recommended Use:</p>	<p>The Wax product series by TimeMAX consists of two cavity waxes (WAX 100 and WAX 200) and a surface wax (WAX 300). TimeMAX WAX 300 is mainly used as underbody coating in the automotive industry. Only very small amounts of solvents are used because the solid content in all three products is very high. The extremely important capability of creep of the products is not achieved using solvents but mainly due to highly efficient penetrating oils and to additives developed by TimeMAX. The long-term protection of the new wax products is based on, among others, active agents from our proven rust protections greases. Use of this materials is very easy because they do not have to be heated before application. The TimeMAX WAX product line has been developed using , among others, our time-lapse tests on Heligoland, an island in the German Bight (North Sea). For more information in this please refer to www.timemax.de.</p> <p>TimeMAX 100 WAX: Our low viscous cavity wax has a very high content of penetrating oil. TimeMAX 100 WAX is used on rusted vehicles in combination with a second layer of TimeMAX 200 WAX. Immediately after application it is to creep into the crevices and gaps in the cavity. After the application of the first layer we recommend to wait one day before applying the second layer of TimeMAX 200 WAX.</p> <p>TimeMAX 200 WAX: Our universal wax for cavities. With well-preserved and new vehicles it is used "on its own", i.e. not in combination with other products. With rusted used vehicles it is used in combination with TimeMAX 100 WAX. In this case it is used as a second layer after a first layer of TimeMAX 100 WAX has been applied.</p> <p>TimeMAX 300 WAX: This material is relatively viscous and fast to handling. The wax product is viscous and forms a relatively thick layer. TimeMAX 300 WAX has dark brown colour. Depending on the thickness of the layer the basis shows through. It is mainly used in mechanical engineering and as a specially resistant underbody wax.</p>
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Page 2/5

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2. Possible Dangers(Product)	
Characterisation	Coating material with a high content of solids, air-drying; Flammable. May cause drowsiness or dizziness. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
Hazard pictograms	 
Product identifier	Contains hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics CAS 64742-82-1
Signal word	Attention
Hazard statements	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness.
Precautionary statement	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P102 Keep out of reach of children. P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Other hazards	EUH066 Repeated exposure may cause skin dryness or cracking. P262 Do not get in eyes, on skin, or on clothing.

3. Ingredients	
<u>Dangerous Ingredients</u>	<u>Content in %</u>
Naphtha (petroleum) , hydrodesulfurized heavy (C9-C11, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics) CAS 64742-82-1 ; EINECS: 265-185-4 H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness; H372 Causes damage to organs through prolonged or repeated exposure.	> 40 - 50
Naphtha (petroleum) CAS 64724-48-9 ; (disaromatised carbon hydrides) EINECS 265-150-3; INDEX 649-327-00-6; Xn (harmful); R10 flammable; R65 Harmful: may cause lung damage if swallowed; R66 Repeated exposure may cause skin dryness or cracking. S2 Keep out of the reach of children; S23 Do not inhale aerosol (spray mist); S24 Avoid contact with skin; S25 Avoid contact with eyes; S38 In case of insufficient ventilation, wear suitable respiratory equipment; S51 Use only in well-ventilated areas. H226 Flammable liquid and vapour; H304 May be fatal if swallowed and enters airways; H336 May cause drowsiness or dizziness; P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. No smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection; P303+P361+P353 IF ON SKIN (or hair): Take off all contaminated clothing immediately. Rinse skin with water/shower; P370+P378 In case of fire: Use dry sand, solid extinguishing agent or alcohol-resistant foam for extinction; P403+P235 Store in a well-ventilated place. Keep cool; Reacts on strong oxidantes with danger of fire or explosions.	>25 - <45
Linseed oil CAS 8001-26-1 , EG 232-401-3; Contact with skin or eyes for a longer period of time can cause slight irritation. No toxic reactions expected at swallowing. No allergic reactions known. Linseed oil is not considered to be harmful to the environment and is completely biodegradable. Nevertheless, prevent it from entering soil or bodies of water. Keep cloths drenched with the product in an air-tight container (for example in an air-tight can). Linseed oil is prone to self-ignition.	>0.5- <1.5
Orange-oil terpenes (D' Limonene); CAS 8028-48-6 EINECS 232-433-8; Xn (harmful); Xi (irritating); N (hazardous to the environment); H226 Flammable liquid and vapour, H304 May be fatal if swallowed and enters airways; H400 Very toxic to aquatic life; H315 Causes skin irritation; H317 May cause an allergic skin reaction; R65 May cause lung damage if swallowed; R38 Irritating to skin; R43 May cause sensitisation at contact with skin; R50/R53 Very toxic to aquatic organisms. May have harmful effects in the long term, R10 flammable. Avoid inhaling dust / gas / smoke / vapour / aerosol. At contact with skin remove/take off immediately all contaminated clothing. Rinse skin with water / shower. Keep locked up.	>0.2- <0.8
The information listed above states average values that are not legally binding	

Group-Safety Data Sheet for TimeMAX Rust Protection Wax according to Regulation 1907/2006

Updated February 10, 2017

Page 3/5

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4. First Aid Measures

General Advice: Consult a doctor and present this data sheet.

At Inhalation: Supply fresh air, take person outside. If problems persist consult a doctor. If person is unconscious put and transport in recovery position.

At Contact with Skin: Wash off using lots of water and soap. If skin irritation persists consult a doctor.

After Contact with Eyes: Rinse eyes with running water for several minutes keeping the lid open. Remove contact lenses.

When Swallowed: Do not induce vomiting! This product is dangerous at aspiration, may get into respiratory system. If person is conscious rinse mouth thoroughly and drink lots of water. Attention! Never administer anything orally if person is unconscious! Consult a doctor immediately.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Carbon-dioxide, foam, extinguishing powder, sand.

Extinguishing Media Which Shall not be Used for Safety Reasons: Full jet of water.

Dangerous Exhaust When Burned: Burning creates a dense black for, carbon-monoxide, carbon hydrides and sulphuric compounds.

Special protective equipment: In case of fire wear respiratory protection gear independent from ambient air. Wear personal protection equipment.

Further Information: Cool endangered containers with spray jet. Remains of fire and contaminated water for fire-fighting must be disposed of according to official requirements.

6. Accidental Release Measures

Personal Precautions: Increased danger of slipping when product has been spilled. Keep away from ignition sources! In enclosed spaces provide proper ventilation/exhaust system. Adhere to the safety regulations (see chapters 7 and 8).

Environmental Precautions: Prevent from entering ground/soil, groundwater. Prevent any further leaking or spilling if this is possible without any danger. In case of entry into bodies of water or drainage system inform the responsible authorities.

Cleaning up/Absorption: Collect mechanically or using a non-flammable adsorbing agent (e.g., sand, soil, sawdust). Provide sufficient ventilation.

7. Handling and Storage

Handling

Precautions for Safe Handling: Provide good ventilation/exhaust system for workspace. Keep away from open light, fire and other ignition sources. Prevent formation of aerosols. Avoid contact with eyes and skin. Do not inhale vapours and spray mist. Personal Protection: refer to Chapter 8. Observe legal protection and safety regulations.

Storage

Requirements for Storage Rooms and Containers: Store in properly closed packing drums in a cool and dry place (reduces the danger of vaporization). Do not empty container with pressure. No smoking. Take precautionary measures against static discharges. Seal open containers carefully and store upright to avoid any leaking.

Advise on Clustering: Keep away from highly acidic and alkaline materials and oxidants.

Further Information on Storage Conditions: Keep out of reach of children. Observe advise on label. Store in a ventilated space; cool and dry Keep away from ignition sources. Any solvent vapours are more heavy than air and may form an explosive mixture.

VCI Storage Class: 3

8. Exposure Controls and Personal Protection

Provide good ventilation/exhaust system for workspace. If this should not suffice use suitable respiratory protection (see below).

Naphtha (petroleum), hydrodesulfurized heavy (C9-C11, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics) **CAS 64742-82-1:** AGW (TRGS 900) 300 mg/m³ (TWA), 600 mg/m³ (STEL);

Naphtha (petroleum) CAS 64724-48-9: AGW (TRGS 900) no value stated;

Linseed oil CAS 8001-26-1: AGW (TRGS 900); no value stated;

Orange-oil terpenes(D'Limonene) CAS 8028-48-6: AGW (TRGS 900) no value stated;

Personal Protection Equipment

Protective and Hygienic Measures: Keep away from food, drink and animal feeding stuff. Remove/Take off contaminated clothing immediately. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

Respiratory Protection: When aerosol is formed or in fine mist wear respiratory protection. Select respiratory protection equipment in accordance to local conditions. At insufficient ventilation use respiratory protection with filter AX/P2. Provide proper ventilation.

Hand Protection: Suitable are tested protective gloves against chemicals and micro-organisms that are oil resistant, for example PVC, Nitrile rubber (NBR) (recommended thickness >0.4 mm, penetration time > 480 min). For permanent contact select a higher thickness or gloves made of multi-layered material. Protective gloves should be replaced regularly, especially if there are signs of damage to the material.

Group-Safety Data Sheet for TimeMAX Rust Protection Wax according to Regulation 1907/2006

Updated February 10, 2017

Page4/5

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Eye Protection: Wear tightly sealing safety goggles as protection against splashes.

Body Protection: It is recommended to wear protective clothing (oil-resistant clothing covering the body) even when working with a paint roller or a brush.

9. Physical and Chemical Properties:
Information About Basic Physical and Chemical Properties

Manufacturer's Name	TimeMAX 100 WAX	TimeMAX 200 WAX	TimeMAX 300 WAX
Form	liquid, viscous		
Colours	amber	brown	dark brown
Smell	contains little solvents		
Boiling Point/boiling range	>140°C		
Melting Point/melting range	no data available		
Setting temperature/range	<-18 °C		
Flash Point	43°C		
Flammability	no data available		
Oxidising Properties	no data available		
Explosive Properties	the material is not explosive.		
Explosion limits	0,7-1,4		
Lower	Not determined		
Upper	Not determined		
Vapour Pressure at 20°C	2,5 hPa		
Density	0,90 g/cm ³		
Relative Density	Not determined		
Viscosity kinematic at 20°C	30s		25s

10. Stability and Reactivity
Conditions to Avoid: Avoid excessive heat, flames, sparks and electrostatic charging. Stable under the storage conditions specified above.

Materials to avoid: Keep away from oxidants, highly alkaline and highly acidic materials.

Hazardous Decomposition Products: At high temperatures hazardous decomposition products like carbon monoxide, carbon dioxide, smoke, nitrogen oxides may be generated.

11. Toxicological Information:
Naphtha (petroleum), hydrodesulfurized heavy (C9-C11, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics) CAS 64742-82-1:

 Swallowing: LD 50 Rat > 15000 mg/kg; Inhalation: LC 50 Rat > 13,100 mg/m³/4h; Absorption via skin: LD Rat 3400 mg/kg;

Naphtha (petroleum) CAS 64724-48-9: Swallowing: LD 50 Rat > 2000 mg/kg; Absorption via skin: LD Rat 2000 mg/kg; Inhalation: LD 50 Rat > almost saturated steam concentration 4h;

Linseed oil CAS 8001-26-1: no data available;

Orange-oil terpenes(D'Limonene) CAS 8028-48-6: Swallowing: LD 50 Rat > 4400 mg/kg; Absorption via skin: LD 50 Rabbit 2000 mg/kg;

General Remarks: Sensitisation and irritation as well as allergic reactions possible at contact with skin. Existing dysfunctions in the organs (or organ systems) listed below can become worse at exposure to this material: Irritation of mucous membranes and respiratory system, damage to liver, kidneys and central nervous system. Indicators for this are: Headache, dizziness, fatigue, amyasthenia, drowsiness and in severe cases unconsciousness.

12. Ecological Information:

There is no information about the compound. Prevent from entering drainage systems and bodies of water.

Naphtha (petroleum), hydrodesulfurized heavy (C9-C11, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics) CAS 64742-82-1: LL 50 Fish > 10 mg/l / 96 h; EL 50 Algae > 10 mg/l / 72 h;

Naphtha (petroleum) CAS 64724-48-9: Ecology: LC 50 Fish > 1000 mg/l; LC 50 Invertebrae > 1000 mg/l; LC 50 Algae > 1000 mg/l; LC 50 Micro-organisms <=10; readily biodegradable; WHC 1.

Linseed oil CAS 8001-26-1: no data available;

Orange-oil terpenes(D'Limonene) CAS 8028-48-6: EC50(24h) 34,1 mg/l (Daphnia magna) WHC 2.

Aquatic Toxicity: No further relevant information available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No further relevant information available.

General Advice:

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Updated February 10, 2017

Page 5/5

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Water Hazard Class 1: slightly hazardous to water

Results of the PBT and vPvB Assessment

PBT: Not applicable.

vPvB: Not applicable.

Other Adverse Effects: No further relevant information available.

Note regarding REACH regulation: Materials are registered as required. When important new findings become known we will update the safety data sheets.

13. Disposal Considerations

Product: Remains that are not completely cured, when meant for disposal, are hazardous waste and must not be disposed of with domestic waste. Legal requirements must be met, waste key numbers: 080111 or 080112.

Completely hard-dried remains of the product (even in brushes, paint rolls, filter mats and so on) are not hazardous waste for the product described here.

If this product was mixed with other waste materials the original waste key numbers may not apply anymore and the corresponding key should be assigned. For further information please contact the responsible local authorities.

Packaging: Empty packages completely, brushed out, do not wash out. Packing drums that were not emptied properly are hazardous waste (waste key number: 150110).

Completely emptied packing drums (free of drops) must be delivered to scrap processing or reconditioning.

14. Transport Information

Within the Premises: In closed, upright, secured containers Avoid emissions.

Information for all Carriers: UN-No.: 1139; Name: Coating Solution; Dangerous Materials Class: 3; Packing Group: III; Environmental Dangers: no; special precautions: n. a. ; Bulk Transport: n. a.; EMS Number: FE-SE;

Additional Information for Transport by Road or Rail (ADR/RID + GGVSEB - cross-border/domestic): ADR/RID Class: 3; Hazard Label: 3; UN-No.: 1139; Hazard Number: 30; Name: Coating Solution (flammable);

Additional Information for Sea Shipment (IMDG/GGVSee): IMDG Class: 3; Hazard Label: 3; EMS: F-E, S-E; UN-No. 1139; Name: Coating Solution (flammable); Packing Group: III; Marine Pollutant: no

Additional Information for Carriage by Air (ICAO / IATA-DGR): ICAO/IATA Class: 3; Hazard Label: 3; UN-No.: 1139; Name: Coating Solution (flammable); Packing Group: III; Marine Pollutant: no

15. Regulatory Information:

Labelling/National Laws: no danger symbols required.

Manufacturer's Name	TimeMAX 100 WAX	TimeMAX 200 WAX	TimeMAX 300 WAX
German TA-Luft (percent in weight): Class I / II / III	No/not applicable		
Water Hazard Class	1= low hazard to waters		
Storage Class:	Hazard Class A III (hardly flammable)		
VbF-Labelling/Class	no/not applicable		
VOC Value (g/l)	no/not applicable		

16. Other Information

Information stated in this data sheet is based on our current knowledge, it does not represent an assurance of product properties and does not constitute a contractual legal position.