

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



79340 Dammar Varnish with Shellsol® A, UV Stabilized

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Revised edition: 18.10.2024

Version: 2

Printed: 21.10.2024

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Dammar Varnish with Shellsol® A, UV Stabilized
Article No.: 79340
UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Artists supplies

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606
Internet: www.kremer-pigmente.com
E-Mail: info@kremer-pigmente.com
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, hazard category 3
Specific Target Organ Toxicity (single exposure), hazard category 3
Specific Target Organ Toxicity (single exposure), hazard category 3
Chronic aquatic toxicity, hazard category 2
H226 Flammable liquid and vapour.
Cat.: 3
H335 May cause respiratory irritation.
Cat.: 3
H336 May cause drowsiness or dizziness.
Cat.: 3
H411 Toxic to aquatic life with long lasting effects.
Cat.: 2

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

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GHS02-1



GHS07



GHS09

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Hydrocarbons, C9, Aromatics (H226-304-335-336-411); REACH Reg. No. 01-2119455851-35-xxxx	30 - 35 %	CAS-Nr: 64742-95-6 EINECS-Nr: 918-668-5 EC-Nr:
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Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics (H226-304-413); REACH Reg. No. 01-2119472146-39-xxxx	30 - 35 %	CAS-Nr: EINECS-Nr: 918-167-1 EC-Nr:
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Dammar	30 - 35 %	CAS-Nr: 9000-16-2
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EINECS-Nr: --

EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*First aiders: mind self-protection!
Take person away from hazardous area.
Remove contaminated clothes immediately.*

After inhalation:

*Supply fresh air. If required give artificial respiration. Keep patient warm.
In case of unconsciousness place patient stable in side position for transportation.
In case of irritation of the respiratory system seek medical help.*

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

After ingestion:

*Rinse mouth with plenty of water.
Do not induce vomiting. Consult physician immediately.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Headache, dizziness, breathing difficulties, narcotic effects.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

*Subsequent observation for pneumonia and pulmonary edema.
Monitor the circulation.*

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray jet.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Combustible.

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*Fumes can form an explosive mixture with air.
The vapor is heavier than air, spreads along the ground and distant ignition is possible.
Product floats on water surface and does not dissolve.
In case of fire: formation of carbon oxides.*

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

*Cool exposed containers with water mist.
Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.*

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Wear appropriate protective equipment. Keep spectators away.
Close leaks without taking any risk.
Provide adequate ventilation. Keep away from sources of ignition.*

6.2. Environmental Precautions

Environmental precautions:

*Prevent contamination of soils, drains and surface water.
Contact local authorities if product pollutes soil or vegetation.*

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

*Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.
Dispose of contaminated material as waste according to section 13.*

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*The usual precautionary measures are to be adhered to when handling chemicals.
Provide adequate ventilation.
Avoid contact with eyes and skin.
Do not breathe vapors, aerosols.*

Hygienic measures:

*Take off contaminated clothing immediately.
Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

7.2. Conditions for Safe Storage, including any Incompatibilities

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Storage conditions:

Store in tightly sealed containers in a dry and cool room.
Protect product from direct sunlight.
Product is combustible.
Keep away from ignitable sources and fire.

Requirements for storage areas and containers:

Store in a room with a solvent-proof floor.

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Measures should be taken to avoid waste/uncontrolled discharge into the environment.

Storage class:

3; Flammable liquids (TRGS 510)

Further Information:

The product is slightly hazardous to water. Consider national regulations regarding handling and storage.
Recommended storage temperature: 5 - 40°C

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900
Hydrocarbons, C9, aromatics:
TLV: 50 mg/m³ (long-term value); 100 mg/m³ (short-term value) (inhalable dust)
Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics: TWA 600 mg/m³

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Hydrocarbons, C9, aromatics:
25 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)
150 mg/m³ (worker, inhalation, long-term exposure - systemic effects)
25 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)
11 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)
32 mg/kg (consumer, inhalation, long-term exposure - systemic effects)

PNEC (Predicted No-Effect Concentration):

No values available.

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Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7 and 8.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Respiratory protection:

Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

Recommended: composite filter A-P2 (EN 141)

Hand protection:

Protective gloves. The glove material has to be impermeable and resistant to the product / substance / preparation.

Protective glove material:

Nitrile rubber (480 min, 0.4 mm)

For short-term exposure: fluoro carbon rubber (FKM)

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing (flame-proof, antistatic).

Environmental precautions:

Avoid contamination of sewage system, open water ways and ground water.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: clear, yellowish

Odor: aromatic

Odor threshold:
no information available

pH-Value:
not applicable

Melting temperature:

Boiling temperature:

Flash point: ca. 36°C

Evaporation rate:
No information available.

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Flammability (solid, gas):

Flammable liquid according to GHS criteria

Upper explosion limit:

Lower explosion limit:

Vapor pressure:

Vapor density:

No information available.

Density:

Solubility in water:

practically insoluble

Coefficient of variation (n-Octanol/Water):

Auto-ignition temperature:

Decomposition temperature:

No data available.

Viscosity, dynamic:

not available

Explosive properties:

Product is not explosive; however, an explosive vapor/air mixture can be formed.

Oxidizing properties:

no information available

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Particle characteristics: not relevant (liquid)

Other information:

10. Stability and Reactivity

10.1. Reactivity

*No decomposition if used according to specifications.
When heated: risk of ignition.*

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Formation of explosive vapor-air-mixtures possible

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10.4. Conditions to Avoid

Conditions to avoid:

*Avoid contact with heat, sparks and open fire.
Avoid direct sunlight.*

Thermal decomposition:

No further information available.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon oxides

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

*Hydrocarbons, C9, aromatics: > 5000 mg/kg (rat)
Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 15000 mg/kg (rat)*

LD50, dermal:

*Hydrocarbons, C9, aromatics: > 3160 mg/kg (rabbit)
Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 5000 mg/kg (rabbit)*

LC50, inhalation:

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 9300 mg/kg (4h, rat)

Primary effects

Irritant effect on skin:

*Hydrocarbons, C9, Aromatics:
Causes mild skin irritation. Prolonged contact may cause dermatitis.
Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Non irritating*

Irritant effect on eyes:

*Hydrocarbons, C9, Aromatics:
Causes eye ailments, however does not damage the eye tissue.
Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Non-irritating to eyes*

Inhalation:

*Hydrocarbons, C9, Aromatics:
Irritates the respiratory tract.
Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Avoid the inhalation of vapors above the recommended exposure level.*

Ingestion:

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No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects observed.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No negative effects.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Hydrocarbons, C9, Aromatics:

Single exposure: may cause respiratory irritation.

Single exposure: may cause drowsiness or dizziness.

Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics:

Single exposure: no organospecific toxicity expected.

Repeated exposure: no organospecific toxicity expected.

Aspiration hazard:

Hydrocarbons, C9, Aromatics:

May be fatal if swallowed and enters airways.

Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics

May be fatal if swallowed and enters airways.

11.2. Information on other Hazards

Hydrocarbons, C9, Aromatics:

Skin contact: repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:

Skin contact: repeated exposure may cause skin dryness or cracking.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Hydrocarbons, C9, Aromatics: LL50: 9.22 mg/l (96h, Oncorhynchus mykiss)

Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics: LL50: > 1000 mg/l (48h, fish); LL50 (Chronic): > 1000 mg/l (24h, fish)

Daphnia toxicity:

Hydrocarbons, C9, Aromatics: EC50: 3.2 mg/l (48h, Daphnia pulex; OECD 202)

Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics: EL50: > 1000 mg/l (24h, Daphnia magna); EL50 (Chronic): > 1 mg/l (21d, Daphnia magna)

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Bacteria toxicity:

Hydrocarbons, C9, Aromatics: EC50: > 99 mg/l (10 min, Microorganisms)

Algae toxicity:

Hydrocarbons, C9, Aromatics: EC50: 0.29 mg/l; ErC50: 0.42 mg/l (72h, Algen)

12.2. Persistency and Degradability

*Hydrocarbons, C9, aromatics: 54-56 %, readily biodegradable
Hydrocarbons, C11-C12, Isoalkanes, < 2% Aromatics:
Biochemical oxygen demand (BOD): 7.3 % (4d)
Carbon dioxide formation: 0 % (3d)*

12.3. Bioaccumulation

*Hydrocarbons, C9, aromatics:
log KOW: 3.7 - 4.5 (Bioaccumulative)
Bioconcentration factor (BCF): 39.8 - 177.8*

12.4. Mobility

*Hydrocarbons, C9, Aromatics:
Weak mobility.
Product floats on water and is not soluble in water.
Adsorption: Adsorption coefficient (Organic Carbon): 2.68 - 3.32*

12.5. Results of PBT- und vPvP Assessment

This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.

12.6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12.7. Other Adverse Effects

Water hazard class:

*2 (German Regulation) (Assessment by list): hazardous.
Do not let product contaminate ground water, waterways or sewage system.*

Behaviour in sewage systems:

Further ecological effects:

*Toxic to water organisms.
May cause long-term adverse effects in the aquatic environment.*

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Must not be disposed together with household garbage.
Do not let product enter water systems.
Product can be incinerated, when in compliance with local*

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regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Non contaminated packaging can either be recycled or utilized for energy (incineration).

Do not puncture, cut or weld uncleaned drums. Risk of explosion.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 3295

14.2. UN Proper Shipping Name

ADR/RID: KOHLENWASSERSTOFFE, FLÜSSIG, N.A.G. (Kohlenwasserstoffe)

IMDG/IATA: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons)

14.3. Transport Hazard Classes

ADR Class: 3

Hazard no.: 3

Classification code: F1

Tunnel restriction code: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.: F-E, S-D

IATA Class: 3

Hazard no.: 3

14.4. Packaging Group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental Hazards

Labelling according 5.2.1.8 ADR/RID: fish and tree

Labelling according 5.2.1.6.3 IMDG: fish and tree

Classification as environmentally hazardous according 2.9.3

IMDG: yes

14.6. Special Precautions for User

not applicable

14.7. Maritime Transport in Bulk according to IMO Instruments

IMDG: not applicable

14.8. Further Information

Special Provision: 664

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15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Underlies the Accident Ordinance 13

Seveso-III Directive (2012/18/EU): E2

Category E2: Environmentally hazardous (aquatic environment, cat. 1): Amount 2: 200 t; Amount 3: 500 t

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law are to be observed.

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline are to be observed.

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

VOC Content: 60 %

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.