

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 1

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

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

1.1. Product Identifier

Product Name: Dammar Varnish Matt, UV Stabilized

Article No.: 79320

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

Identified uses:

No information available.

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.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

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

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

*Flammable liquids, category 3
Acute toxicity (oral), hazard category 4
Acute toxicity (dermal), hazard category 4
Skin irritation, category 2
Skin sensitization, hazard category 1
Eye irritation, category 2
Acute toxicity (inhalation), hazard category 4
Chronic aquatic toxicity, category 2*

H226 Flammable liquid and vapour.
Cat.: 3
H302+H312 Harmful if swallowed or in contact with skin.
Cat.: 4
H315 Causes skin irritation.
Cat.: 2
H317 May cause an allergic skin reaction.
Cat.: 1
H319 Causes serious eye irritation.
Cat.: 2
H332 Harmful if inhaled.
Cat.: 4
H411 Toxic to aquatic life with long lasting effects.
Cat.: 2

Classification according to EC

next page: 2

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 2

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

Regulation No. 67/548 or No. 1999/45

	R10	Flammable.
Harmful (Xn)	R20	Harmful by inhalation.
	R21	Harmful in contact with skin.
Harmful (Xn)	R22	Harmful if swallowed.
Irritating (Xi)	R36	Irritating to eyes.
Irritating (Xi)	R38	Irritating to skin.
Irritating (Xi)	R43	May cause sensitization by skin contact.
Hazardous to the environment (N)	R51	Toxic to aquatic organisms.
	R53	May cause long-term adverse effects in the aquatic environment.
Harmful (Xn)	R65	Harmful: May cause lung damage if swallowed.

Safety Phrases:

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

Classification according to EC Regulation 1272/2008

Hazard designation:



GHS02-1



GHS07



GHS09

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H302+H312	Harmful if swallowed or in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P273	Avoid release to the environment.
P301+P310	If swallowed: Immediately call a poison center or physician.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing.

next page: 3

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 3

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

P331

Rinse skin with water/shower.

Do not induce vomiting.

Hazardous components for labelling:

Turpentine, oil

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Mixture of different terpenes with dammar (2:1) and bleached beeswax as dulling agent.

Hazardous Ingredients:

Turpentine oil (N, Xn; R10-20/21/22-36/38-43-51-53; H226-332-312-302-304-319-315-317-411)

> 50 %

CAS-Nr: 8006-64-2

EINECS-Nr: 232-350-7

EC-Nr: 650-002-00-6

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

Take person away from hazardous area.

Intoxication symptoms may occur after several hours, therefore a 48 hour medical observation is necessary.

Consult physician.

After inhalation:

Supply fresh air. If required give artificial respiration. In case of complaints or unconsciousness consult a physician. In case of unconsciousness place patient stable in side position for transportation.

After skin contact:

Wash off with plenty of water and soap. Consult a physician if irritation persists.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

Rinse mouth with plenty of water and consult physician.

Do not induce vomiting.

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

Symptoms:

No further information available.

Effects:

No further information available.

Indication of any Immediate Medical Attention and special Treatment needed

next page: 4

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 4

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

4.3.

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Water mist, extinguishing powder, foam, carbon dioxide.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Flammable.

In case of fire: formation of carbon oxides.

Fumes can form an explosive mixture with air.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear suitable protective clothing.

Further information:

Cool closed containers exposed to fire 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 protective clothing.

Provide adequate ventilation. Keep away from sources of ignition.

Avoid contact with eyes and skin.

Do not inhale aerosol/fumes/vapors.

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 non-flammable absorbent material (e.g. sand, diatomaceous earth, vermiculite) 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

next page: 5

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 5

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

7.1. Precautions for Safe Handling

Instructions on safe handling:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with eyes and skin.

Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.

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.

A nearby eyewash facility should be available for emergencies.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store the product in the original tightly sealed containers in a dry and cool place.

Protect against heat.

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.

Do not store together with combustible and self-ignitable products.

Dust may form an explosive mixture with air.

Combustible liquid.

Vapors may form an explosive mixture with air. Vapor is heavier than air and spreads along the ground.

Storage class (VCI):

3: Flammable liquids

Further Information:

The product is slightly hazardous to water. Consider national regulations regarding handling and storage.

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

None known

Parameters to be controlled (DE):

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration

next page: 6

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 6

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

(PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in confined areas.

Facilities storing or utilizing this material should be equipped with an eyewash facility.

Personal Protection

General protective measures:

Remove contaminated clothing immediately.

Do not inhale gas/fumes/vapor/aerosol.

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

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type A.

Hand protection:

Protective gloves

The manufacturer's directions for use should be observed because of the great diversity of types.

Protective glove material:

Nitrile rubber (480 min, 0.35 mm)

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing, chemical resistant.

Environmental precautions:

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

Contact local authorities if large spillages cannot be contained.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: colorless

Odor: like turpentine

Odor threshold:
No information available.

pH-Value:
not applicable

Melting temperature:
not available

Boiling temperature:

next page: 7

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 7

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

not available

Flash point:

not available

Evaporation rate:

No information available.

Flammability (solid, gas):

not applicable

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

not available

Solubility in water:

practically insoluble

*Coefficient of variation (n-
Octanol/Water):*

no information available

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:

none

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

next page: 8

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 8

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Incompatible with strong oxidizing agents.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and hydrocarbons.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Turpentine oil: 5760 mg/kg (rat)

Swallowing causes vomiting, stomach-ache and similar symptoms after inhalation. Coughing and respiratory problems occur even when small amounts are swallowed or vomited. A chemically induced pulmonary oedema can already occur within one day.

LD50, dermal:

Turpentine oil: LDLo: 5010 mg/kg (rabbit)

LC50, inhalation:

Can cause pain in mouth and throat, nausea, vomiting, dizziness, headache and unconsciousness. Repeated or long-term exposition to the product can cause damage of liver, kidneys and central nervous system.

Primary effects

Irritant effect on skin:

Irritating (rabbit)

Irritant effect on eyes:

Irritating effect (rabbit).

Inhalation:

No information available.

Ingestion:

next page: 9

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 9

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

No information available

Sensitization:

May cause sensitization by skin contact.

Mutagenicity:

No data available.

Reproductive toxicity:

No information available.

Cancerogenity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

Handle in accordance with good industrial hygiene and safety practice.

The data is based on the solvent contained.

12. Ecological Information

12.1. Aquatic Toxicity

Turpentine oil:

Fish toxicity:

LC0: 0.01 mg/l (96h, Cyprinus carpio).

Daphnia toxicity:

No information available.

Bacteria toxicity:

no information available

Algae toxicity:

No information available.

12.2. Persistency and Degradability

> 80 % (28d); readily biodegradable (Method: OECD 301E)

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

next page: 10

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 10

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

*May cause long-term adverse effects in the aquatic environment.
Prevent product from entering surface water and drains.
The data is based on the solvent contained.*

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Must not be disposed together with household garbage.
Must be treated as toxic waste according to local laws and regulations.*

European Waste Code (EWC):

Uncleaned packaging:

Drain container thoroughly. After draining, vent in a safe place away from sparks and fire.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 1263

14.2. UN Proper Shipping Name

ADR/RID: FARBE

IMDG/IATA: PAINT

14.3. Transport Hazard Classes

ADR Class: 3

Hazard no.: 3

Classification code: F1

Tunnel no.: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.: F-E, S-E

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

next page: 11

Material Safety Data Sheet

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



79320 Dammar Varnish Matt, UV Stabilized

Page 11

Revised edition: 22.02.2016

Version: 1

Printed: 22.02.2016

IMDG: yes
Labelled with "P" according 2.10 IMDG: no

14.6. Special Precautions for User

not applicable

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

IMDG: not applicable

14.8. Further Information

15. Regulatory Information

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

Water hazard class:

2, hazardous for water

Local regulations on chemical accidents:

Underlies the Accident Ordinance 6.

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) 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

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.