

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 1

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

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

1.1. Product Identifier

Product Name: Shellac Ink Diluter

Article No.: 180420

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

Identified uses:

Thinner

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)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

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

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

next page: 2

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 2

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

3.2. Mixture

Chemical Characterization:

Mixture

Information on Components / Hazardous Ingredients:

Disodium tetraborate decahydrate (Repr.1B, H360Df-H319)	< 6%	CAS-Nr: 1303-96-4 EINECS-Nr: 215-540-4 EC-Nr: 005-011-01-1
---	------	--

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

*Rinse mouth with water and drink plenty of water.
Never give anything by mouth to an unconscious person.
Induce vomiting as long as affected person is conscious.
Immediately get medical help.*

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

Symptoms:

No further information available.

Effects:

No further information available.

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

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

next page: 3

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 3

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

Product is not flammable.

5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

Avoid contact with skin and eyes. Do not ingest or inhale.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

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.

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:

Avoid contact with eyes and skin.

Wear adequate protective clothing (see para. 8).

Provide adequate ventilation.

A nearby eyewash facility should be available for emergencies.

Hygienic 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.

Take off contaminated clothing immediately. Store working clothing separately.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Storage temperature: < 20°C.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

Do not store together with: foodstuffs, beverages and feed.

next page: 4

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 4

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

Storage class:

10-13

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

Y: No teratogenic risk when the exposure limit values (ELV) and biological limit values (BLV) are adhered to.

Disodium tetraborate decahydrate (CAS 1303-96-4), AGW: 0.5 mg/m³ (2)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

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 skin, eyes and clothing.

Respiratory protection:

None required under normal operating conditions.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Butyl rubber (480 min; 0.5 mm).

Polyvinyl chloride (> 480 min, 0.5 mm)

Fluoro carbon rubber (480 min, > 0.5 mm)

Nitrile rubber (480 min, 0.35 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

next page: 5

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 5

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

Environmental precautions:

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

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>amber colored</i>
<i>Odor:</i>	<i>none</i>
<i>Odor threshold:</i>	<i>not determined</i>
<i>pH-Value:</i>	<i>not determined</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not determined</i>
<i>Solubility in water:</i>	<i>miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>

next page: 6

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 6

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

No information available.

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Disodium tetraborate decahydrate (1303-96-4): 3150-5510 mg/kg (4h; rat)

LD50, dermal:

Disodium tetraborate decahydrate (1303-96-4): > 2000 mg/kg

next page: 7

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 7

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

(rabbit)

LC50, inhalation:

Disodium tetraborate decahydrate (1303-96-4): > 2.0 mg/l (4h, rat; OECD 403)

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Irritant effect on eyes:

May irritate eyes.

Inhalation:

Non irritating.

Ingestion:

No information available

Sensitization:

No sensitizing effect (guinea pig).

Mutagenicity:

not determined

Reproductive toxicity:

Carcinogenicity:

Disodium tetraborate decahydrate (1303-96-4): Reproductive toxicity, category 1B. May impair fertility. May cause harm to the unborn child.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

No health impairments known or expected when used according to specifications.

No toxicological data available.

12. Ecological Information

12.1. Aquatic Toxicity

Disodium tetraborate decahydrate, CAS 1303-96-4:

Fish toxicity:

LC50: 75 mg/l (96h, Oncorhynchus mykiss)

Daphnia toxicity:

EC50: 1085 - 1400 mg/l (48h, Daphnia magna)

Bacteria toxicity:

EC10: 35.4 mg/l (16h, Pseudomonas putida)

Algae toxicity:

IC50: > 1000 mg/l (72h)

next page: 8

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 8

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

12.2. Persistency and Degradability

13 % (28d); biodegradable (OECD 301D)

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:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

next page: 9

Safety Data Sheet

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



180420 Shellac Ink Diluter

Page 9

Revised edition: 16.12.2019

Version: DE

Printed: 19.12.2019

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

Not classified as environmentally hazardous.

14. 6. Special Precautions for User

not applicable

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

not applicable

14. 8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

1, slightly hazardous for water (German Regulation)

Local regulations on chemical accidents:

Employment restrictions:

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.