

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 1

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

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

1.1. Product Identifier

Product Name: Feldmann's Egg Tempera

Article No.: 79290

UFI: --

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

Identified uses:
Historic painting medium

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

EMail: 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 1
Skin sensitization, hazard category 1
Serious eye damage, hazard category 2
Hazardous to the aquatic environment, chronic hazard category 3

H224	Extremely flammable liquid and vapour.
Cat.: 1	
H317	May cause an allergic skin reaction.
Cat.: 1	
H319	Causes serious eye irritation.
Cat.: 2	
H412	Harmful to aquatic life with long lasting effects.
Cat.: 3	

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

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

Hazard designation:

next page: 2

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 2

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022



GHS02-2



GHS07

Signal word:

Danger

Hazard designation:

H224	Extremely flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Safety designation:

P260c	Do not breathe vapours.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P333+P313	If skin irritation or rash occurs: Get medical attention.

Hazardous components for labelling:

Turpentine, oil

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Turpentine oil (H226-302-304-312-315-317-319-332-411); REACH Reg. No. 01-2119553060-53-0007	< 5 %	CAS-Nr: (8006-64-2) EINECS-Nr: 932-349-8 (232-350-7) EC-Nr: 650-002-00-6
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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

next page: 3

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 3

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

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 for at least 15 minutes. Consult physician.

After ingestion:

Rinse mouth with plenty of water and consult physician. Do NOT induce vomiting. Risk of aspiration! Consult physician immediately.

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

Symptoms:

Swallowing: may be fatal if swallowed and enters the respiratory system.

Can cause allergic reactions.

Effects:

Harmful

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:

Foam, CO₂, dry extinguishing powder.

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 organic crack products and 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.

next page: 4

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 4

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

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.

Remove all sources of ignition. Only use anti-static equipped (spark-free) tools.

6.4. Reference to other Sections

Protective clothing, see Section 8.

See Section 13 for information on disposal.

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.

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.

Protect from direct exposure to light.

Do not store together with strong acids and oxidants.

Accessible for authorized persons only.

Requirements for storage areas and containers:

Store in a room with a solvent-proof floor.

Unsuitable container material: plastics can be attacked.

next page: 5

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 5

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

Information on fire and explosion protection:

Do not store together with combustible and self-ignitable products. Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge. Contaminated cleaning rags and cloths, and protective clothing may ignite spontaneously after several hours.

Storage class:

3; Flammable liquids (TRGS 510)

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):

Turpentine oil (CAS 8006-64-2): TWA: 8.2 mg/m³, 2 ppm (long-term value); 16.4 mg/m³, 4 ppm (short-term value)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Turpentine oil:

161 µg/cm² (worker, skin contact, short-term exposure)

5.98 mg/m³ (worker, inhalation, long-term exposure)

81 µg/cm² (consumer, skin contact, short-term exposure)

0.31 mg/kg bw/d (consumer, swallowing, long-term exposure)

1.06 mg/m³ (consumer, inhalation, long-term exposure - local effects)

Predicted No-Effect Concentration (PNEC):

Turpentine oil (CAS 8006-64-2):

Fresh water: 8.8 µg/l

Sea water: 0.88 µg/l

Fresh water sediment: 2.27 mg/kg dw

Sea water sediment: 0.227 mg/kg dw

Oral (secondary poisoning): 1.35 mg/kg (feed)

Sewage treatment system (STP): 6.6 mg/l

Soil: 0.45 mg/kg

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

next page: 6

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 6

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

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, 0.11 mm).

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing.

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: yellowish

Odor: characteristic

Odor threshold: no information available

pH-Value: not applicable

Melting temperature: not available

Boiling temperature: not available

Flash point: ca. 34°C

Evaporation rate: No information available.

Flammability (solid, gas): not available

Upper explosion limit: no information available

next page: 7

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 7

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

not determined

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

no information available

Auto-ignition temperature:

not determined

Decomposition temperature:

No data available.

Viscosity, dynamic:

not determined

Explosive properties:

not available

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:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Heating leads to an increase of pressure and risk of bursting.

next page: 8

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 8

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat, open fire and other ignition sources.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Strong acids and strong oxidizing agents.

Contaminated cleaning rags and cloths, and protective clothing may ignite spontaneously after several hours.

10.6. Hazardous Decomposition Products

In case of fire: formation of organic crack products and carbon oxides.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Turpentine oil: 3956 mg/kg (rat)

LD50, dermal:

Turpentine oil: > 2000 mg/kg (rabbit)

LC50, inhalation:

Turpentine oil: 13.7 mg/l (4h, rat; OECD 403); 29 mg/l (2h, mouse; OECD 403)

Primary effects

Irritant effect on skin:

Turpentine oil: irritating (rabbit)

Irritant effect on eyes:

Turpentine oil: irritating (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Turpentine oil: May cause an allergic skin reaction.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

Teratogenicity:

next page: 9

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 9

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

Turpentine oil:

Aspiration toxicity: may be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

Harmful. Irritating.

Risk of skin absorption.

12. Ecological Information

12.1. Aquatic Toxicity

Turpentine oil:

Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Fish toxicity:

No data available.

Daphnia toxicity:

Turpentine oil: EC50: 14.1 mg/l

Bacteria toxicity:

Turpentine oil: EC50: 736 mg/l (3h, aquatic microorganisms; OECD 209)

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Turpentine oil: > 80 % (28d); Readily biodegradable (OECD 301E)

12.3. Bioaccumulation

Turpentine oil: An appreciate bioaccumulation potential is to be expected (log P(o/w) > 3).

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12.6. Other Adverse Effects

Water hazard class:

1, slightly hazardous (German Regulation; Self-assessment).

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

next page: 10

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 10

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

13.1. Waste Treatment Methods

Product:

Must not be disposed together with household garbage.

Dispose of according to official national and local 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 restriction code: 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

None

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

next page: 11

Safety Data Sheet

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



79290 Feldmann's Egg Tempera

Page 11

Revised edition: 02.08.2022

Version: 1

Printed: 02.08.2022

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

Water hazard class:

1, slightly hazardous for water (German Regulation, self-assessment)

Local regulations on chemical accidents:

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

This product contains substances for which a Chemical Safety Assessment has been carried out.

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.