

Safety Data Sheet

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



98110 Gilding Dispersion

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Revised edition: 01.11.2023

Version: 2

Printed: 18.10.2024

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

1.1. Product Identifier

Product Name: Gilding Dispersion

Article No.: 98110

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)

H319

Cat.: 2

Eye irritation, hazard category 2

Causes serious eye irritation.

Possible Environmental Effects:

2.2. Label Elements

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

Hazard designation:



GHS07-1

Signal word:

Warning

Hazard designation:

H319

EUH208

Causes serious eye irritation.

May produce an allergic reaction.

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Safety designation:

P264	Wash thoroughly after handling.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/ attention.

Hazardous components for labelling:

2.3. Other Hazards

Contains: a reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Can cause allergic reactions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

C11-Oxo alcohol-heptaglycol ether sulphate, sodium salt (Fatty Alcohol Ether Sulphate) (H315-319)	0.4 - 1.3 %	CAS-Nr: 219756-63-5 EINECS-Nr: EC-Nr: 639-480-7
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Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1) (H301-310-314-317-318-330-400-H410); Spec. conc. limits: H314 >= 0.6%, H315 0.06 - <0.6%, H319 0.06 - <0.6%, H317 >= 0.0015%, H318 >= 0.6%; REACH Reg. No. 01-2120764691-48	0.0001-0.0006 %	CAS-Nr: 55965-84-9 EINECS-Nr: EC-Nr: 613-167-00-5
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Take person away from hazardous area.
Seek medical attention in case of complaints.

After inhalation:

In case of unconsciousness place patient stable in side position for transportation.
Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing.
Wash off immediately with soap and plenty of water and rinse thoroughly.
If symptoms persist, consult a physician.

After eye contact:

Rinse open eye for several minutes under running water. Should

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irritation continue, seek medical advice.

Remove contact lens.

In case of continued complaints consult a specialist.

After ingestion:

Rinse mouth and give plenty of water to drink.

Keep airways free.

Do not give milk or alcoholic beverages to drink.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

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

Symptoms:

Eye contact: causes serious eye irritation.

Effects:

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:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No hazardous combustion products known.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

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:

Wear appropriate protective equipment. Keep spectators away.

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:

Remove large amounts with a pump.

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*Neutralize with lye, lime or ammonia.
Contain with absorbent, inert material (sand, Silica Gel, acid binder, universal absorbent, saw dust) 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, skin and clothing.
Provide adequate ventilation.*

Hygienic measures:

*Do not eat or drink during work. Do not smoke.
Wash hands before breaks and after work.*

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a well ventilated location.
Do not store together with acids.*

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

Do not store together with ignitable sources, heat and fire.

Storage class:

12; Non-combustible liquids (TRGS 510)

Further Information:

7. 3. Specific End Use(s)

Further information:

The technical guidelines for the application of this product/mixture should be followed.

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

No occupational exposure limits known.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

*Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1):
0.02 mg/m³ (worker/consumer, inhalation, long-term exposition - local effects)
0.04 mg/m³ (worker/consumer, inhalation, short-term exposition - local effects)*

PNEC (Predicted No-Effect

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Concentration):

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1):

Fresh water / Sea water: 0.00339 mg/l

Fresh water sediment / Sea water sediment: 0.027 mg/kg

Periodic release: 0.00339 mg/l

Sewage treatment system (STP): 0.23 µg/l

Soil: 0.01 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 or eyewash bottle.

Personal Protection

General protective measures:

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

Avoid contact with eyes and skin.

Remove contaminated clothing immediately.

Respiratory protection:

In case of formation of dust/vapor.

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

Hand protection:

Protective gloves should be changed regularly, especially after intensive contact with the product.

Protective glove material:

Nitrile rubber (480 min, 0.4 mm)

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

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: milky white

Odor: ammonium-like

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<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>non-combustible</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>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.998 mg/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>not applicable</i>
<i>Viscosity, dynamic:</i>	
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>none</i>
<i>Bulk density:</i>	<i>not applicable</i>

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

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Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

The product is stable.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Protect from frost, heat and direct sunlight.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if handled according to specifications.

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:

Reaction compound of 5-Chloro-2-methyl-2H-isothiazol-3-one (EC 247-500-7) and 2-Methyl-2H-isothiazol-3-one (EC 220-239-6) (3:1): 64 mg/kg (rat)

LD50, dermal:

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one (EC 247-500-7) and 2-Methyl-2H-isothiazol-3-one (EC 220-239-6) (3:1): 87.12 mg/kg (rabbit)

LC50, inhalation:

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 0.33 mg/l (4h, rat; OECD 403)

Primary effects

Irritant effect on skin:

Causes skin irritation.

Fatty Alcohol Ether Sulphate: Skin irritation.

Reactions compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): causes chemical burns

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(OECD 404)

Irritant effect on eyes:

May cause irreversible damage to the eyes.

Fatty alcohol ether sulphate: Irreversible damage to the eyes.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): risk of severe eye damage (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): may cause sensitization by skin contact (guinea pig; OECD 406)

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: Not classified based on available information.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): An evaluation of the available data shows that this material is not classified as a STOT-SE toxicant.

Repeated exposure: Not classified based on available information.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): Excessive exposure may cause irritation of the upper respiratory tract.

Aspiration hazard:

No information available.

11.2. Information on other Hazards

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

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*Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): LC50: 0.19 mg/l (96h, *Oncorhynchus mykiss*); NOEC: 0.046 mg/l (35d; OECD 210)*

Daphnia toxicity:

*Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 0.16 mg/l (48h, *Daphnia magna*); NOEC: 0.1 mg/l (21d, *Daphnia magna*)*

Bacteria toxicity:

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): 4.5 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

*Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): ErC50: 0,037 mg/l (72h, *Selenastrum capricornulum*)*

12.2. Persistency and Degradability

*Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): Not readily biodegradable.
Can be eliminated from water by chemical adsorption.*

12.3. Bioaccumulation

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): log POW: -0.71 - 0.75 (OECD 107)

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

This mixture does not comply with the criteria for the classification as PBT or vPvB, according to Annex VIII of Regulation (EC) No. 1907/2006 (REACH).

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:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to an incineration plant.

European Waste Code (EWC):

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Uncleaned packaging:

Dispose of according to official local regulations.

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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14.8. Further Information

15. Regulatory Information

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

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Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product. This product is not listed as SVHC-compound and does not contain any hazardous substances.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable
Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable
Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable
Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable
Content of volatile organic compounds (VOC): 0 %

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.