

Safety Data Sheet

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



12200 Copper Resinate

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Revised edition: 01.03.2020

Version: 1

Printed: 03.03.2020

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

1.1. Product Identifier

Product Name: Copper Resinate

Article No.: 12200

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.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 2
Specific Target Organ Toxicity (single exposure), hazard category 3

H225 Highly flammable liquid and vapour.

Cat.: 2

H336 May cause drowsiness or dizziness.

Cat.: 3

Possible Environmental Effects:

2.2. Label Elements

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

Hazard designation:



GHS02-2



GHS07

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Signal word:

Danger

Hazard designation:

H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Safety designation:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
P304+P340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazardous components for labelling:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Copper(II)-acetate-1-hydrate (C₄H₆CuO₄ · H₂O) is cooked with colophony in white spirit.

Information on Components / Hazardous Ingredients:

Copper(II)-acetate-1-hydrate	8 - 10 %	CAS-Nr: 6046-93-1 EINECS-Nr: 205-553-3 EC-Nr:
Rosin, Gum Rosin (Xi; R43; GHS07, H317); REACH Reg. No. 01-2119480418-32	55 - 60 %	CAS-Nr: 8050-09-7 EINECS-Nr: 232-475-7 EC-Nr: 650-015-00-7
Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes (H225-304-315-411); REACH 01- 2119473851-33-0000	25 - 30 %	CAS-Nr: 64742-49-0 EINECS-Nr: 920-750-0 EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

First aiders have to protect themselves.
Take person away from hazardous area.
Remove contaminated clothes immediately.

After inhalation:

Supply fresh air. If required give artificial respiration. Keep patient warm.
Oxygen therapy in case of impaired breathing.
In case of unconsciousness place patient stable in side position for next page: 3

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transportation.

After skin contact:

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

After eye contact:

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

After ingestion:

*Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.
Risk of aspiration!
In case of spontaneous vomiting, bring unconsciousness person in a stable side position.*

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

Symptoms:

Headache, dizziness, nausea, tiredness, numbness, cramps, weakness, itchiness, reddened skin, disorder of the central nervous system.

Effects:

If vomiting occurs after ingestion, aspiration into the lungs can occur. Aspiration can cause pulmonary edema and pneumonia.

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:

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 liquid.
Product floats on water surface and does not dissolve.
The vapor is heavier than air, spreads along the ground and distant ignition is possible.
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.

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*Risk of bursting of closed containers due to strong heating.
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.
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 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:

*Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.
Do not breathe vapors, aerosols.
Avoid contact with eyes and skin.*

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.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Requirements for storage areas and containers:

Store in a room with a solvent-proof floor.

Information on fire and explosion protection:

*Do not store together with: oxidants.
Combustible liquid.
Vapors may form an explosive mixture with air.
Keep away from sources of ignition - do not smoke. Take*

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measures to prevent electrostatic discharge.

Storage class:

3; Flammable liquids (TRGS 510)

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

Parameters to be controlled (DE):

TRGS 900

C7-C9 Aliphatics: TWA 1500 mg/m³; 2(II)

Hydrocarbon mixture, used as solvent (free from additives).

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes:

773 mg/m³ bw/d (worker, skin contact, long-term exposure - systemic effects)

2035 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

699 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)

608 mg/kg (consumer, inhalation, long-term exposure - systemic effects)

699 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

No values available.

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:

Respiratory equipment required in case of insufficient ventilation, filter type A-P2.

Respirator mask required if ventilation is insufficient. Wear filter

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respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

Hand protection:

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

Protective glove material:

Fluoro carbon rubber, nitrile rubber.

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing (flame-proof, antistatic).

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

Form: liquid

Color: green

Odor: like acetic acid

Odor threshold:
No information available.

pH-Value:
not applicable

Melting temperature:
not available

Boiling temperature:

Flash point: < 10°C (solvent)

Evaporation rate:

Flammability (solid, gas):
not applicable

Upper explosion limit:
no information available

Lower explosion limit:
no information available

Vapor pressure:

Vapor density:

Density: -

Solubility in water:

Coefficient of variation (n-

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Octanol/Water):

no information available

Auto-ignition temperature:

Decomposition temperature:

No data available.

Viscosity, dynamic:

not determined

Explosive properties:

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

Oxidizing properties:

none

Bulk density:

not applicable

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

No decomposition if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Formation of explosive vapor-air-mixtures possible.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid contact with heat, sparks and open fire.

Thermal decomposition:

No further information available.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon oxides.

10.7. Further Information

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11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: > 2000 mg/kg (rat; OECD 401)

LD50, dermal:

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: > 2800 mg/kg (rabbit; OECD 402)

LC50, inhalation:

Hydrocarbons, C7, n-Alkanes, Isoalkanes, Cyclenes: > 23.3 mg/kg (4h, rat; OECD 403)

Primary effects

Irritant effect on skin:

Causes mild skin irritation. Prolonged contact may cause dermatitis.

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: may cause drowsiness or dizziness.

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

Additional toxicological information:

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis. Product is irritating, respectively, caustic for the respiratory tract.

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

12. Ecological Information

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12.1. Aquatic Toxicity

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes:

Fish toxicity:

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: LL50: > 13.4 mg/l (96h, Oncorhynchus mykiss)

Daphnia toxicity:

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: EL50: 3 mg/l (48h, Daphnia magna)

Bacteria toxicity:

no information available

Algae toxicity:

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: EL50: 10-30 mg/l (72h, Pseudokirchneriella subcapitata)

NOELR: 10 mg/l (72h, Pseudokirchneriella subcapitata)

12.2. Persistency and Degradability

Readily biodegradable.

The product floats on the water surface and does not dissolve.

Oxidizes rapidly by photo-chemical reactions in air.

The product evaporates easily from water surface.

12.3. Bioaccumulation

Bioaccumulation is not to be expected.

12.4. Mobility

Product is readily volatile.

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:

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:

Must not be disposed together with household garbage.

Do not let product enter water systems.

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Empty container completely. Residues may cause an explosion

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hazard.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

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: II

IMDG: II

IATA: II

14.5. Environmental Hazards

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:

1, slightly hazardous for water (German Regulation)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

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Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for the component substances contained in this product.

15. 3. Further Information

VOC Content: 30 %

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.