

Safety Data Sheet

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



79620 Luster Varnish Reddish Brown

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Revised edition: 01.01.2023

Version: 1

Printed: 09.01.2023

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

1.1. Product Identifier

Product Name: Luster Varnish Reddish Brown

Article No.: 79620

UFI: --

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

Identified uses:
Restoration purposes

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)

H225 Flammable liquids, hazard category 2
Cat.: 2 Eye irritation, hazard category 2
H319 Highly flammable liquid and vapour.
Cat.: 2 Causes serious eye irritation.
Cat.: 2

Possible Environmental Effects:

See Section 12.

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.
H319 Causes serious eye irritation.

Safety designation:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
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.
P403+P235 Store in a well ventilated place. Keep cool.
P501 Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

Ethanol 99 %, denatured 1% MEK

2.3. Other Hazards

No information available.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Mixture of the following substances.

Information on Components / Hazardous Ingredients:

Ethanol (H225-319); REACH Reg. No. 01-2119457610-43	70 - 76 %	CAS-Nr: 64-17-5 EINECS-Nr: 200-578-6 EC-Nr: 603-002-00-5
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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.
Remove contaminated clothes immediately.

After inhalation:

Supply fresh air. If required give artificial respiration. Keep patient warm.
Give artificial respiration in case breathing is not regular or if it has stopped.
In case of unconsciousness place patient stable in side position for

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transportation.

If breathing is difficult call a physician.

After skin contact:

Remove contaminated clothing.

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

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

Consult a physician immediately.

After ingestion:

Rinse mouth with water and drink plenty of water.

Do not induce vomiting. Consult physician immediately.

In case of spontaneous vomiting, bring unconscious person in a stable side position.

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

Symptoms:

Headache, dizziness, breathing difficulties.

Effects:

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

Treatment:

Treat symptomatically.

Subsequent observation for pneumonia and pulmonary edema.

Monitor the circulation.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray, sand.

Unsuitable extinguishing media:

Never apply a strong water jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Flammable liquid.

Fumes can form an explosive mixture with air.

In case of fire: formation of carbon monoxide and dioxide.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Avoid inhalation of combustion gases or vapors.

Further information:

Cool exposed containers with water mist.

Collect contaminated extinguishing water and debris separately;

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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 skin and eyes. Do not ingest or inhale.
Do not inhale aerosol/fumes/vapors.*

6.2. Environmental Precautions

Environmental precautions:

*Do not discharge into drains, surface or ground water in concentrated form.
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, universal absorbent, Oil Dri) 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:

*Keep containers tightly closed.
Provide adequate ventilation, also in floor area (vapors are heavier than air).
Do not breathe vapors, spray or gas.*

Hygienic measures:

*Take off contaminated clothing immediately.
Do not inhale gas/fumes/vapours/aerosols.
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.
Protect product from direct sunlight.*

Requirements for storage areas and containers:

Ground containers and filling equipment.

Information on fire and explosion protection:

*Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Vapors may form an explosive mixture with air.
Ensure electrical continuity by bonding and grounding (earthing) all*

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equipment.

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

Ethanol (CAS 64-17-5): TLV: Short-term value: 800 ppm, 1520 mg/m³; Long-term value: 200 ppm, 380 mg/m³

Parameters to be controlled:

Ethanol (64-17-5): TWA (AT): 1900 mg/m³, 1000 ppm (long-term value); TWA (CH): 960 mg/m³, 500 ppm (long-term value); 1920 mg/m³, 1000 ppm (short-term value)

Derived No-Effect Level (DNEL):

Ethanol (CAS 64-17-5):

1900 mg/m³ (worker, inhalation, short-term exposure - local effect)

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

950 mg/m³ (worker, inhalation, long-term exposure - systemic); (consumer, inhalation; short-term exposure - local)

Predicted No-Effect Concentration (PNEC):

Ethanol (CAS 64-17-5):

Fresh water: 0.96 mg/l

Seawater: 0.79 mg/l

Fresh water sediment: 3.6 mg/kg

Seawater sediment: 2.9 mg/kg

Sporadic release: 2.75 mg/l

Sewage treatment system (STP): 580 mg/l

Soil: 0.3 mg/kg

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Adequate ventilation to control airborne concentrations below the exposure limits.

Personal Protection

General protective measures:

Remove contaminated clothing immediately.

Avoid contact with skin and avoid inhalation of vapour. Do not eat, drink or smoke.

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drink or smoke while working.

Respiratory protection:

*Required in case of insufficient ventilation (EN 143 or 149).
Recommended: composite filter A-P2 (EN 141)*

Hand protection:

*Solvent resistant protective gloves.
The manufacturer's directions for use should be observed
because of the great diversity of types.*

Protective glove material:

*Butyl rubber (480 min, 0.7 mm)
Fluoro carbon rubber - FKM (> 480 min; 0.35 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:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing (flame-proof, antistatic).

Environmental precautions:

*Avoid contamination of sewage system, open water ways and
ground water.
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>reddish brown</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>78°C (solvent)</i>
<i>Flash point:</i>	<i>12°C (solvent)</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>Flammable liquid according to GHS criteria</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	

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not determined

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 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:

Other information:

10. Stability and Reactivity

10.1. Reactivity

*No decomposition if used according to specifications.
When heated: risk of ignition.*

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Formation of ignitable vapor-air-mixtures possible.

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10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat, sparks, open fire and other ignition sources.

Thermal decomposition:

No further information available.

10.5. Incompatible Materials

Oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon monoxide and carbon dioxide.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

Is not classified as acutely toxic.

LD50, oral:

Ethanol (CAS 64-17-5): 10470 mg/kg (rat; OECD 401)

LD50, dermal:

Ethanol (CAS 64-17-5): > 2000 mg/kg (rat; OECD 402)

LC50, inhalation:

Ethanol (64-17-5): > 120 mg/kg (4h, rat)

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Causes serious eye irritation.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No negative effects known.

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No teratogenic effects expected.

Specific target organ toxicity (STOT):

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

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

Aspiration hazard

No risk of aspiration.

11.2. Information on other Hazards

The main component is ethyl alcohol.

12. Ecological Information

12.1. Aquatic Toxicity

Not hazardous to the aquatic environment.

Fish toxicity:

Ethanol: LC50: 15400 mg/l (96h, fisch); EC50: 12700 mg/l (96h, fish)

Daphnia toxicity:

Ethanol: LC50: 1806 mg/l (10d, aquatic invertebrates)

Bacteria toxicity:

No data available.

Algae toxicity:

Ethanol: ErC50: 22000 mg/l (96h, algae); ErC50: 675 mg/l (4d, algae)

12.2. Persistency and Degradability

Ethanol: readily biodegradable (69 %, 5d)

Oxygen consumption: 69 % (5d)

12.3. Bioaccumulation

Ethanol: log Kow -0.77. No bioaccumulation.

BSB5/CSB: 0.62110553

12.4. Mobility

Henry Constant: 0.000138 Pa.m³/mol (20°C)

12.5. Results of PBT- und vPvP Assessment

PBT/vPvB assessment not available as a chemical safety assessment is not required / not conducted.

12.6. Endocrine Disrupting Properties

Not listed.

12.7. Other Adverse Effects

Water hazard class:

Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.

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

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

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13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Recover or recycle if possible.

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

European Waste Code (EWC):

The waste code is determined according to the kind of waste and industry stated in the European Waste Catalogue.

Uncleaned packaging:

This waste is hazardous, only approved packaging are permitted. Completely emptied packaging may be recycled.

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 1170

14.2. UN Proper Shipping Name

ADR/RID: Ethylalkohol, Lösung

IMDG/IATA: Ethyl alcohol, solution

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-D

IATA Class: 3

Hazard no.: 3

14.4. Packaging Group

ADR/RID: II

IMDG: II

IATA: II

14.5. Environmental Hazards

Labelling according 5.2.1.8 ADR/RID: no

Labelling according 5.2.1.6.3 IMDG: no

Classification as environmentally hazardous according 2.9.3

IMDG: no

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14.6. Special Precautions for User

The rules for Dangerous Goods (ADR) must also be observed within the company grounds.

14.7. Maritime Transport in Bulk according to IMO Instruments

Not transported by sea in bulk.

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:

Seveso-III Directive (2012/18/EU): P5c and E2

Flammable liquids (P5c): Amount 1: 5000 t; Amount 2: 50000 t

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law 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.

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).

15.3. Further Information

VOC Content: 70 %

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.