

Safety Data Sheet

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



79360 Regalrez® Picture Varnish

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Revised edition: 26.01.2024

Version: 3

Printed: 23.10.2024

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

1.1. Product Identifier

Product Name: Regalrez® Picture Varnish

Article No.: 79360

UFI: --

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

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 3
Skin corrosion, hazard category 2
Serious eye damage, hazard category 2
Specific target organ toxicity (repeated exposure), hazard category 2

H226 Flammable liquid and vapour.

Cat.: 3

H315 Causes skin irritation.

Cat.: 2

H319 Causes serious eye irritation.

Cat.: 2

H373 May cause damage to organs through prolonged or repeated exposure.

Cat.: 2

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

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

Hazard designation:

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GHS02



GHS07



GHS08-1

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P301+P310	If swallowed: Immediately call a poison center or physician.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P331	Do not induce vomiting.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Regalrez® 1094 dissolved

Information on Components / Hazardous Ingredients:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, 70 - 80 %	CAS-Nr:
Cyclenes, <2 % Aromatics (H304, EUH066);	EINECS-Nr: 926-141-6
REACH Reg.-Nr. 01-2119456620-43	EC-Nr:

Xylene (H226-304-312-315-319-332-335-373);	5 - 10 %	CAS-Nr: 1330-20-7
REACH Reg. No. 02-2119488216-32		EINECS-Nr: 215-535-7
		EC-Nr: 601-022-00-9

Reaction mass of Bis(1,2,3,6,6-Pentamethyl-4- < 0.2 %

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piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (H317-361f-400-410)

CAS-Nr: 41556-26-7
EINECS-Nr: 255-437-1
EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air. If required give artificial respiration. In case of complaints or unconsciousness consult a physician. In case of unconsciousness place patient stable in side position for transportation.

Give artificial respiration in case breathing is not regular or if it has stopped.

After skin contact:

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

Wash contaminated clothing before reuse.

After eye contact:

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

After ingestion:

Get medical attention immediately. Call a poison center or physician.

Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

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

Symptoms:

Swallowing: may cause nausea and vomiting.

Effects:

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

Treatment:

If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Water mist, extinguishing powder, foam, carbon dioxide

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Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

The vapor is heavier than air, spreads along the ground and distant ignition is possible.

In case of fire: formation of CO, CO₂ and fumes.

5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basis level of protection for chemical incidents.

Further information:

Cool exposed containers with water mist.

Avoid contamination of sewage system, open water ways and ground water.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

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

Wear appropriate protective equipment. Keep spectators away.

Switch off all ignition sources. No sparks, no smoking and no flames in the danger zone.

Ensure adequate ventilation. Wear a respirator if ventilation is inadequate.

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:

Larger amounts should be pumped into adequate containers.

Eliminate the leak if it is safe to do so. Remove the container from the leakage area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water soluble, alternatively if water insoluble, absorb with an inert dry material and place in a suitable waste container. Dispose of via a recognized waste disposal company.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Earth all devices and apparati. Avoid spilling or spraying in closed

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rooms.

Avoid contact with eyes, skin and clothing.

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.

Protect product from direct sunlight.

Do not store with food and drink.

Do not store together with: oxidants.

Requirements for storage areas and containers:

Store the product in the original container.

Close open containers with care and store in an upright position to avoid spilling.

Do not store product in unlabelled containers.

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.

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):

TRGS 900

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2%
Aromatics: TWA: 300 mg/m³ (8h)

Xylene (CAS 1330-20-7); TLV (TRGS 900): 440 mg/m³, 100 ppm
(2)

Parameters to be controlled:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2%
Aromatics: ACGIH TLV (USA): TWA: 200 mg/m³ (as total
hydrocarbon vapor; 8h)

Xylene (CAS 1330-2-7): Threshold Limit Value (TWA): 221 mg/m³,
50 ppm

Xylene (CAS 1330-20-7): Short Term Exposure Limit (STEL): 442
mg/m³, 100 ppm

Derived No-Effect Level (DNEL):

Xylene (1330-20-7):

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180 mg/m³ (worker, skin contact, long-term exposure - systemic effects)

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

PNEC (Predicted No-Effect Concentration):

Xylene (1330-20-7):

Fresh water / Sea water: 0.327 mg/l

Fresh water sediment / Sea water sediment: 12.46 mg/kg

Intermittent release: 0.327 mg/l

Soil: 2.31 mg/kg

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in confined areas.

Exhaust system has to be explosion-protected.

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.

Keep away from sources of ignition - no smoking. Avoid contact with skin, eyes and clothing.

Respiratory protection:

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

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Nitrile rubber (> 480 min, > 0.38 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing, chemical resistant.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental precautions:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

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9. 1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>colorless</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	
<i>Flash point:</i>	<i>56°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</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 determined</i>
<i>Vapor density:</i>	
<i>Density:</i>	<i>not determined</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>none</i>
<i>Bulk density:</i>	<i>not applicable</i>

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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 information available.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Hazardous polymerisation will not occur.

10.4. Conditions to Avoid

Conditions to avoid:

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

Do not pressurize, cut open, weld, braze, solder, drill or grind the container. Do not allow vapor to accumulate in low or confined areas.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

None if stored and 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:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: > 5000 mg/kg (rat; OECD 401)

Xylene (1330-20-7): > 5627 mg/kg (mouse)

LD50, dermal:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: > 5000 mg/kg (rabbit; OECD 402)

Xylene: 1302 mg/kg (ATE)

LC50, inhalation:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2%

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aromatics: > 5000 mg/kg (8h, rat; OECD 403)

Xylene (1330-20-7): 11 mg/l (4h)

Primary effects

Irritant effect on skin:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics:

Prolonged/repeated contact may cause defatting of the skin which may cause dermatitis.

Xylene: irritating to skin.

Irritant effect on eyes:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics:

Slight irritant effect

Xylene: Causes serious eye irritation.

Inhalation:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics:

No irritant effect known.

Ingestion:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics:

Ingestion can cause vomiting. Avoid aspiration into the lungs, as even small amounts can cause an aspiration pneumonia.

Sensitization:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics: no sensitizing effects known.

Xylene: non sensitizing (mouse; OECD 429)

Mutagenicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics: No mutagenic effects observed.

Xylene: not mutagenic.

Reproductive toxicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics: No reproductive toxicity expected.

Xylene: Not classified as reproductive toxicant.

Carcinogenicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics: Product is not cancerogenic.

Xylene: Not classified as carcinogenic.

Teratogenicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %
Aromatics: Did not show any teratogenic effects in animal studies (IUCRID).

Xylene: No data available.

Specific target organ toxicity (STOT):

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %

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Aromatics:

Single exposure: no organospecific toxicity expected.

Repeated exposure: no organospecific toxicity expected.

Xylene:

Single exposure: may cause respiratory irritation.

Repeated exposure: may cause damage to organs through prolonged or repeated exposure.

Aspiration hazard:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %

Aromatics: May be fatal if swallowed and enters airways.

Xylene: May be fatal if swallowed and enters airways.

11.2. Information on other Hazards

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 %

Aromatics:

Skin contact: repeated or long-term contact with the product may cause defatting of the skin and dermatitis.

Eye contact: irritating.

Inhalation: Long-term overexposure can impair the central nervous system which may cause headache, dizziness, nausea.

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: LL0: 1000 mg/l (96h, Oncorhynchus mykiss)

Xylene: Acute Toxicity: LC50: 8.4 mg/l (96h, fish)

Daphnia toxicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: EL0: 1000 mg/l (48h, Daphnia magna)

Bacteria toxicity:

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: EL0: 1000 mg/l (72h, Pseudokirchneriella subcapitata)

Algae toxicity:

Xylene:

Acute Toxicity: ErC50: 4.7 mg/l (72h, algae); EC50: 4.9 mg/l (72h, algae)

Chronic Toxicity: ErC50: 4.36 mg/l (73h, algae); EC50: 2.2 mg/l (73h, algae)

12.2. Persistency and Degradability

Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 % Aromatics: Readily biodegradable (69 %, 28d)

Xylene: readily biodegradable.

Oxygen consumption: 98 % (28d)

12.3. Bioaccumulation

Xylene: no bioaccumulation expected.

12.4. Mobility

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Xylene:

Henry Constant: 623 Pa.m³/mol (25°C)

Adsorption: Adsorption coefficient (Organic Carbon): 2.73 (ECHA)

12.5. Results of PBT- und vPvP Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

12.6. Endocrine Disrupting Properties

This product does not contain components considered to have endocrine disrupting properties.

12.7. Other Adverse Effects

Water hazard class:

Product is not harmful for water organisms.

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):

Uncleaned packaging:

Do not puncture, cut or weld uncleaned drums. Risk of explosion. Residues may cause an explosion hazard.

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

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	<i>IATA Class:</i>	3
	<i>Hazard no.:</i>	3
14. 4.	Packaging Group	
	<i>ADR/RID:</i>	III
	<i>IMDG:</i>	III
	<i>IATA:</i>	III
14. 5.	Environmental Hazards	
		None
14. 6.	Special Precautions for User	
14. 7.	Maritime Transport in Bulk according to IMO Instruments	
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:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) 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.