

**K79360      Regalrez® Picture Varnish**

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**1. Identification of the Substance/Mixture and of the Company/Undertaking**
**1.1. Product Identifier**
*Product Name:* Regalrez® Picture Varnish

*Article No.:* K79360

**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:* Interlabshop BV

*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands

*Tel./Fax.:* +31(0)55-5215016

*Internet:* www.labshop.nl

*EMail:* labshop@labshop.nl

*Importer:* --

**1.4. Emergency No.**
*Emergency No.:* 112 (24 hours a day)

**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 irritation, hazard category 2*
*Eye irritation, 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

*Classification according to Directive No.  
67/548/EC or No. 1999/45/EC*

R10 Flammable.

Harmful (Xn) R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

*Safety Phrases:*
*Possible Environmental Effects:*
*See Section 12.*

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# Safety Data Sheet

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

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### 2.2. Label Elements

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

*Hazard designation:*



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:*

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclenes, <2 % aromatics

### 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, Cyclenes, <2 % Aromatics (Xn; R65-66; H304, EUH066); REACH Reg.-Nr. 01-2119456620-43	70 - 80 %	CAS-Nr: EINECS-Nr: 926-141-6
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## EC-Nr:

Xylene (Xn; R10-20/21-36/37/38-65; H226-332-312-315-319-304-335-373); REACH-Nr. 02-2119488216-32-xxxx

5 - 10 %

CAS-Nr: 1330-20-7  
EINECS-Nr: 215-535-7  
EC-Nr: 601-022-00-9

Bis(1,2,3,6,6-Pentamethyl-4-piperidyl)sebacate)  
(Xi,N; R43-50/53)

&lt; 0.2 %

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:

*Do not induce vomiting. Consult physician immediately.*

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

## Symptoms:

*Skin contact: redness, dryness, itching and burning.*

## Effects:

*For further information on symptoms and health hazards, see section 11.*

**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:*

*Flammable.*

*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:*

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

*Cool exposed containers with water mist.*

**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.*

**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.*

*Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.*

**6. 4. Reference to other Sections**

*See Section 13 for information on disposal. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.*

**7. Handling and Storage**

**7. 1. Precautions for Safe Handling**

*Instructions on safe handling:*

*Earth all devices and apparatus. Avoid spilling or spraying in closed 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**

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*Storage conditions:*

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

*Requirements for storage areas and containers:*

*Suitable container material: stainless steel, carbon steel, polyethylene, polypropylene, polyester, Teflon.  
Unsuitable container material: natural rubber, butyl rubber, polystyrol, EDPM.*

*Information on fire and explosion protection:*

*Take measures to prevent static electricity discharge, earth/ground all equipment.*

*Storage class (VCI):*

*Further Information:*

**7. 3. Specific End Use(s)**

*Further information:*

**8. Exposure Controls/Personal Protection**

**8. 1. Parameters to be Controlled**

*Parameters to be controlled (DE):*

*Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2%  
Aromatics: TWA 1200 mg/m3; 165 ppm  
Xylene (CAS 1330-20-7); TLV (TRGS 900): 440 mg/m3, 100 ppm (2)*

*Parameters to be controlled:*

*Xylene: Threshold Limit Value (TWA): 221 mg/m3, 50 ppm  
Xylene: Short Term Exposure Limit (STEL): 442 mg/m3, 100 ppm*

*Derived No-Effect Level (DNEL):*

*Xylene (1330-20-7):  
180 mg/m3 (worker, skin contact, long-term exposition - systemic effects)  
174 mg/m3 (consumer, inhalation, short-term exposition - systemic and local effects)  
108 mg/m3 (consumer, skin contact, long-term exposition - systemic effects)  
14.8 mg/m3 (consumer, inhalation, long-term exposition - systemic effects)*

*Predicted No-Effect Concentration (PNEC):*

*Xylene (1330-20-7):  
Fresh water: 0.327 mg/l  
Sea water: 0.327 mg/l  
Intermittent release: 0.327 mg/l  
Sewage treatment system (STP): 6.58 mg/l  
Fresh water sediment: 12.46 mg/kg  
Seawater sediment: 12.46 mg/kg  
Soil: 2.31 mg/kg*

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#### *Additional Information:*

*Biological limit value (TRGS 903):*

*Xylene (DE BAT): 1.5 mg/l (end of exposure or shift; blood)*

#### **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*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing, chemical resistant.*

*Environmental precautions:*

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

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## **9. Physical and Chemical Properties**

### **9.1. Information on Basic Physical and Chemical Properties**

*Form:* liquid

*Color:* colorless

*Odor:* characteristic

*Odor threshold:*  
*No information available.*

*pH-Value:*  
*not available*

*Melting temperature:*  
*not applicable*

*Boiling temperature:*  
*not applicable*

*Flash point:* 56°C

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*Evaporation rate:*

*No information available.*

*Flammability (solid, gas):*

*not available*

*Upper explosion limit:*

*no information available*

*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:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*Explosive properties:*

*Product does not present an explosion hazard.*

*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:*

*No further information.*

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#### 10. Stability and Reactivity

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10.1.	<b>Reactivity</b>	<i>Stable if used according to specifications.</i>
10.2.	<b>Chemical Stability</b>	<i>Stable if used according to specifications.</i>
10.3.	<b>Possibility of Hazardous Reactions</b>	<i>Hazardous polymerisation will not occur.</i>
10.4.	<b>Conditions to Avoid</b>	<i>Conditions to avoid:</i>  <i>Avoid heat, sparks, open fire and other ignition sources.</i>  <i>Thermal decomposition:</i>  <i>Avoid heat.</i>
10.5.	<b>Incompatible Materials</b>	<i>Strong oxidizing agents.</i>
10.6.	<b>Hazardous Decomposition Products</b>	<i>None if stored and handled according to specifications.</i>
10.7.	<b>Further Information</b>	
11.	<b>Toxicological Information</b>	
11. 1.	<b>Information on Toxicological Effects</b>	
	<i>Acute Toxicity</i>	
	<i>LD50, oral:</i>	<i>Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, &lt;2% aromatics: &gt; 5000 mg/kg (rat; OECD 401)</i> <i>Xylene (1330-20-7): &gt; 2000 mg/kg (rat)</i>
	<i>LD50, dermal:</i>	<i>Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, &lt;2% aromatics: &gt; 5000 mg/kg (rabbit; OECD 402)</i>
	<i>LC50, inhalation:</i>	<i>Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, &lt;2% aromatics: &gt; 5000 mg/kg (8h, rat; OECD 403)</i>
	<i>Primary effects</i>	
	<i>Irritant effect on skin:</i>	<i>Prolonged/repeated contact may cause defatting of the skin which may cause dermatitis.</i>
	<i>Irritant effect on eyes:</i>	<i>Slight irritant effect</i>
	<i>Inhalation:</i>	<i>Can cause irritation of the respiratory system.</i>
	<i>Ingestion:</i>	<i>Can be lethal when swallowed.</i>
	<i>Sensitization:</i>	<i>No sensitizing effects known.</i>
	<i>Mutagenicity:</i>	



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*No mutagenic effects observed.*

*Reproductive toxicity:*

*Not considered to be toxic to reproduction.*

*Carcinogenicity:*

*Product is not cancerogenic.*

*Teratogenicity:*

*Did not show any teratogenic effects in animal studies (IUCLID).*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.*

*Repeated exposure: no toxicological effects.*

*Additional toxicological information:*

*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. Product is irritating, respectively, caustic for the respiratory tract.*

**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)*

*p-Xylene: LC50: 2.6 mg/l (96h, Oncorhynchus mykiss)*

*Xylene: NOEC: > 1.3 mg/l (56d, Oncorhynchus mykiss)*

*Daphnia toxicity:*

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

*o-Xylene: IC50: 1 mg/l (24h, Daphnia magna; OECD 202)*

*m-Xylene: NOEC: 1.17 mg/l (7d, Ceriodaphnia Dubia; US EPA 600/4-91-003)*

*Bacteria toxicity:*

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

*p-Xylene: NOEC: 157 mg/l (3h, active sludge; OECD 209)*

*Algae toxicity:*

*p-Xylene: 2.2 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)*

*p-Xylol: NOEC: 0.44 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)*

**12.2. Persistency and Degradability**

*Readily biodegradable.*

**12.3. Bioaccumulation**

*No information available.*

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**12. 4. Mobility**
*No information available.*
**12. 5. Results of PBT- und vPvP Assessment**
*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*
**12. 6. Other Adverse Effects**
*Water hazard class:*
*Do not let run into surface waters, waste water or soil.*
*Behaviour in sewage systems:*
*Further ecological effects:*
*AOX Value:*
**13. Disposal Considerations**
**13. 1. Waste Treatment Methods**
*Product:*
*Dispose of according to official national and local regulations.  
Must be treated as toxic waste according to local laws and regulations.*
*European Waste Code (EWC):*
*Uncleaned packaging:*
*Residues may cause an explosion hazard.  
Do not puncture, cut or weld uncleaned drums. Risk of explosion.*
*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

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**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****14. 8.      Further Information**

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**15.      Regulatory Information****15. 1.      Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture***Water hazard class:**2, hazardous for water (German Regulation)**Local regulations on chemical accidents:**Does not underlie the Accident Ordinance.**Employment restrictions:**The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.**The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) 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**

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**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.*