

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 1

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

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

#### 1.1. Product Identifier

*Product Name:* Red Lead in Alkyd Resin

*Article No.:* 425207

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

*Identified uses:*

Coatings

*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 3  
Skin sensitization, hazard category 1  
Specific Target Organ Toxicity (single exposure), hazard category 3 (Narcotic effects)  
Carcinogenicity, hazard category 2  
Reproductive toxicity, hazard category 1A  
Reproductive toxicity, Effects on or via lactation, additional hazard category  
Specific target organ toxicity (repeated exposure), hazard category 1  
Acute aquatic toxicity, hazard category 1  
Hazardous to the aquatic environment, chronic category 1

H226 Flammable liquid and vapour.

Cat.: 3

H317 May cause an allergic skin reaction.

Cat.: 1

H336 May cause drowsiness or dizziness.

Cat.: 3

H351 Suspected of causing cancer.

Cat.: 2

H360Df May damage the unborn child. Suspected of damaging fertility.

Cat.: 1A

May cause harm to breast-fed children.

next page: 2

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 2

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

H362	
Cat.:	
H372	Causes damage to organs through prolonged or repeated exposure.
Cat.: 1	
H410	Very toxic to aquatic life with long lasting effects.
Cat.: 1	

*Possible Environmental Effects:*

### 2.2. Label Elements

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

*Hazard designation:*

	GHS02-2
	GHS07
	GHS08
	GHS09

*Signal word:*

Danger

*Hazard designation:*

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

*Safety designation:*

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
	Avoid release to the environment.

next page: 3

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 3

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

P273	
P280	Wear protective gloves/ clothing/ eye/ face protection.
P301+P312	If swallowed: Call a poison center or physician if you feel unwell.
P302+P352	If on skin: Wash with soap and water.
P308+P313	If exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P391	Collect spillage
P405	Store locked up.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

*Contains: Lead(II,IV) oxide*

### 2.3. Other Hazards

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## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*C.I. Pigment Red 105  
Mixture of the following substances.*

*Information on Components / Hazardous  
Ingredients:*

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Lead(II,IV) oxide (H302-332-351-360Df-362-372-410); REACH Reg. No. 01-2119517589-27-0001	< 50 %	CAS-Nr: 1314-41-6 EINECS-Nr: 215-235-6 EC-Nr: 082-001-00-6
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Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics (H226-304-413); REACH Reg. No. 01-2119472146-39-xxxx	< 15 %	CAS-Nr: EINECS-Nr: 918-167-1 EC-Nr:
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Cobalt [bis(2-ethylhexanoate)] (Skin Sens. 1A, H317; Eye Irrit. 2, H319; Repr. 1B, H360F; Aqu. Acute 1, H400; Aqu. Chron. 3, H412); REACH Reg.-Nr. 01-2119524678-29	< 0.05 %	CAS-Nr: 136-52-7 EINECS-Nr: 205-250-6 EC-Nr:
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*Additional information:*

*SVHC (Candidate List of Substances of very High Concern): This product contains a substance in amounts greater than 0.1 % (w/w) listed in the Candidate List according to Article 59 of the REACH Regulation 1907/2006/EC: Lead tetraoxide*

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Do not leave affected persons unattended.*

*Take person away from hazardous area.*

*In all cases of severe injuries or in case of unconsciousness, do not transport affected persons: call a physician.*

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

*After inhalation:*

*Supply fresh air or give oxygen.*

next page: 4

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 4

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

*Get medical help.*

*In case of unconsciousness place patient stable in side position for transportation.*

*After skin contact:*

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

*After eye contact:*

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

*After ingestion:*

*Do not induce vomiting. Consult physician immediately. Never give anything by mouth to an unconscious person.*

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

*Symptoms:*

*Headache, dizziness, nausea, unconsciousness.*

*Effects:*

*Aspiration can cause disorders of the central nervous system.*

### 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.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray jet.*

*Fight larger fire with water jet or alcohol resistant foam.*

*Unsuitable extinguishing media:*

*Water with full jet.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon oxides, toxic gases/vapors.*

### 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.*

*Cool exposed containers with water spray.*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.*

next page: 5

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 5

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

*Ensure adequate ventilation.*

*Keep away from sources of ignition. No smoking.*

### 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.*

*Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.*

### 6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Provide adequate ventilation.*

*Avoid contact with eyes, skin and clothing.*

*Protect against heat and direct sunlight.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

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

*Protect against heat and direct sunlight.*

*Storage temperature: < 20°C.*

*Requirements for storage areas and containers:*

*Open and handle container with care.*

*Information on fire and explosion protection:*

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

*Do not store together with combustible, self-ignitable and flammable products, nor with highly inflammable solids.*

*Do not store together with: strong oxidants.*

*Keep away from sources of ignition - do not smoke.*

*Storage class:*

*3 B; combustible liquids (TRGS 510)*

*Further Information:*

*Store in a dry place.*

### 7.3. Specific End Use(s)

next page: 6

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 6

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

*Further information:*

*No information available.*

### 8. Exposure Controls/Personal Protection

#### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900

Lead and its compounds: 0.1 mg/m<sup>3</sup> (8h)

Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics: TWA 600 mg/m<sup>3</sup>

*Parameters to be controlled:*

Cobalt [bis(ethylhexanoat)] (CAS 136-52-7): TWA (CH): 0.05 mg/m<sup>3</sup> (inhalable fraction)

*Derived No-Effect Level (DNEL):*

Lead, inorganic:

10 µg/l (worker, inhalation/skin contact/swallowing, long-term exposure - systemic effects)

*Predicted No-Effect Concentration (PNEC):*

Lead, inorganic:

Fresh water: 3.1 µg/l

Sea water: 3.5 µg/l

Fresh water sediment: 174 mg/kg

Sea water sediment: 164.2 mg Pb/kg TG

Soil: 212 mg/kg

Sewage treatment system (STP): 0.1 mg/l

*Additional Information:*

Lead, inorganic:

Biological limits: EU: 70 µg/dl; DE: 40 µg/dl, 30 µg/dl (women below 45 years); GB: 60 µg/dl, 30 µg/dl (women of childbearing age); FR: 40 µg/dl, 30 µg/dl (women of childbearing age).

#### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

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

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Respirator mask required if ventilation is insufficient. Wear filter 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 (EN 374)*

next page: 7

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 7

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

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

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

*Protective glove material:*

*Nitrile rubber (> 480 min, 0.11 mm).*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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

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### 9. Physical and Chemical Properties

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

*Form:* viscous

*Color:* red

*Odor:* odorless

*Odor threshold:*  
No information available.

*pH-Value:*  
not available

*Melting temperature:*  
not available

*Boiling temperature:*  
not determined

*Flash point:* 30°C

*Evaporation rate:*  
No information available.

*Flammability (solid, gas):*  
flammable

*Upper explosion limit:*  
no information available

*Lower explosion limit:*  
no information available

*Vapor pressure:*  
not determined

*Vapor density:*  
No information available.

*Density:*  
not determined

next page: 8

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 8

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

<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>not determined</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not determined</i>
<i>Explosive properties:</i>	<i>Product is not explosive; however, an explosive vapor/air mixture can be formed.</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>not applicable</i>

### 9.2. Further Information

*Solubility in solvents:*  
*Viscosity, kinematic:*  
*Burning class:*  
*Solvent content:*  
*Solid content:*  
*Particle size:*  
*Other information:*

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## 10. Stability and Reactivity

- 10.1. **Reactivity**  
*Stable if used according to specifications.*
- 10.2. **Chemical Stability**  
*Stable if used according to specifications.*
- 10.3. **Possibility of Hazardous Reactions**  
*Vapors in combination with air can form an explosive compound.*
- 10.4. **Conditions to Avoid**  
*Conditions to avoid:*  
*Avoid heat, open fire and other ignition sources.*  
*Thermal decomposition:*  
*No data available.*
- 10.5. **Incompatible Materials**  
*Strong oxidizing agents.*
- 10.6. **Hazardous Decomposition Products**

next page: 9

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 9

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

*In case of fire: formation of carbon oxides.*

### 10.7. Further Information

## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

#### Acute Toxicity

##### LD50, oral:

Lead(II,IV) oxide > 10000 mg/kg (rat)

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 15000 mg/kg (rat)

##### LD50, dermal:

Lead(II,IV) oxide > 2000 mg/kg (rat)

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 5000 mg/kg (rabbit)

##### LC50, inhalation:

Lead(II,IV) oxide: > 5.05 mg/kg (rat)

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 9300 mg/kg (4h, rat)

#### Primary effects

##### Irritant effect on skin:

Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:

Non irritating

##### Irritant effect on eyes:

Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:

Non-irritating to eyes

##### Inhalation:

Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:

Avoid the inhalation of vapors above the recommended exposure level.

##### Ingestion:

No information available

##### Sensitization:

May cause sensitization by skin contact.

##### Mutagenicity:

No mutagenic effects known.

##### Reproductive toxicity:

Lead compounds:

Suspected of damaging the unborn child. Post-natal exposure of children to inorganic lead compounds is associated with adverse effects on neurobehavioural development.

##### Carcinogenicity:

Lead compounds:

An inhalation study of lead monoxide in rats showed that it did not induce, initiate or promote tumors of the lung. However, there is

next page: 10

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 10

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

*evidence that soluble lead compounds may have a carcinogenic effect, particularly on the kidneys of rats. However, the mechanisms by which this effect occurs are still unclear. Epidemiology studies of workers exposed to inorganic lead compounds have found a limited association with stomach cancer. This has led to the classification by IARC that inorganic lead compounds are probably carcinogenic to humans (Group 2A). IARC: Group 2A: Probably carcinogenic to humans.*

### Teratogenicity:

*Lead compounds:  
Suspected of damaging fertility.*

### Specific target organ toxicity (STOT):

*Lead compounds:  
Single exposure: no organospecific toxicity expected.  
Repeated exposure: lead is absorbed into the body through inhalation of spray / mist or by ingestion. Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure.*

### Additional toxicological information:

*Inorganic lead compounds are slowly absorbed by ingestion and inhalation and poorly absorbed through the skin. If absorbed, lead will accumulate in the body with low rates of excretion, leading to long-term build up. Part of risk management is to take blood samples from workers for analysis to ensure that exposure levels are acceptable.  
Route of entry: ingestion, inhalation, skin and/or eye contact.  
Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:  
Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis.*

## 12. Ecological Information

### 12.1. Aquatic Toxicity

#### Fish toxicity:

*Lead compounds:  
Acute aquatic toxicity:  
LC50: 0.01 - 0.1 (96h); M-Factor (acute): 10  
pH 5.5 - 6.5: LC50: 0.04 - 0.81 mg/l (96h, Pimephales promelas; Onchorhynchus mykiss)  
pH > 6.5 - 7.5: LC50: 0.052 - 3.598 mg/l (96h, Pimephales promelas; Onchorhynchus mykiss)  
pH > 7.5 - 8.5: LC50: 0.113 - 3.249 mg/l (96h, Pimephales promelas; Onchorhynchus mykiss)  
Chronic aquatic toxicity (NOEC):  
NOEC: 0.01 - 0.1; M-Factor (chronic): 1  
Freshwater-Fish: EC10, NOEC: 0.0178 - 1.558 mg/l (Oncorhynchus mykiss, Salmo salar, Pimephales promelas, Salvelinus fontinalis, Ictalurus punctatus, Lepomis macrochirus, Salvelinus namaycush, Cyrinus carpio, Acipenser sinensis)  
Saltwater-Fish: EC10, NOEC: 0.229 - 0.437 mg/l (Cyprinodon variegatus)*

#### Daphnia toxicity:

next page: 11

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 11

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

### Lead compounds:

#### Acute toxicity:

pH 5.5 - 6.5: LC50: 0.073 - 0.655 mg/l (48h, *Daphnia magna*, *Ceriodaphnia dubia*)

pH > 6.5 - 7.5: LC50: 0.028 - 1.179 mg/l (48h, *Daphnia magna*, *Ceriodaphnia dubia*)

#### Chronic aquatic toxicity (NOEC):

Freshwater invertebrates: NOEC (EC10): 0.0017 - 0.963 mg/l (*Daphnia magna*, *Hyalella azteca*, *Lymnaea palustris*, *Ceriodaphnia dubia*, *Lymnaea stagnalis*, *Philodina rapida*, *Alona rectangular*, *Diaphanosoma birgei*, *Chironomus tentans*, *Branchionus calyciflorus*, *Chironomus riparius*, *Baetis tricaudatus*)

Marine water invertebrates: NOEC (EC10): 0.0092 - 1.409 mg/l (*Mytilus trossulus*, *Americamysis bahia*, *Mytilus galloprovincialis*, *Neanthes arenaceodentata*, *Stronglyocentrotus purpuratus*, *Paracentrotus lividus*, *Dendraster excentricus*, *Tisbe battagliai*, *Crassostrea gigas*)

Freshwater sediment: NOEC (EC10): 573 - 3.390 mg/kg (*Tubifex tubifex*, *Ephoron virgo*, *Hyalella azteca*, *Gammarus pulex*, *Lumbriculus variegatus*, *Hexagenia limbata*, *Chironomus tentans*)

Marine water sediment: NOEC (EC10): 680 - 1.291 mg/kg (*Neanthes arenaceodentata*, *Leptocheirus plumulosus*)

### Bacteria toxicity:

#### Lead compounds:

EC10 (NOEC): 1.06 - 2.92 mg/l (Respiration); 2.79 - 9.59 mg/l (Ammonia uptake rate); 1.0 - 7.0 mg/l (Mortality)

#### Chronic toxicity (NOEC):

Microorganisms, EC10: 97 - 7880 mg/l (Denitrification, N-mineralization, nitrification, basal respiration, substrate-induced respiration)

Toxicity to terrestrial invertebrates, EC10: 34 - 2445 mg/kg (*Folsomia candida*, *Proisotoma minuta*, *Sinella curviseta*, *Eisenia fetida*, *Eisenia andrei*, *Dendrobaena rubida*, *Lumbricus rubellus*, *Aporrectodea caliginosa*)

Toxicity to terrestrial plants, EC10: 57 - 6774 mg/kg (*Hordeum vulgare*, *Zea mays*, *Echinochloa crus-galli*, *Lolium perenne*, *Sorghum bicolor*, *Triticum aestivum*, *Oryza sativa*, *Avena sativa*, *Rephanus sativus*, *Lycopersicon esculentum*, *Lactuca sativa*, *Cucumis sativus*, *Picea rubens*, *Pinus taeda*)

### Algae toxicity:

#### Lead compounds:

#### Acute toxicity:

pH 5.5 - 6.5: ErC50: 0.072 - 0.388 mg/l (72h, *Pseudokirchneriella subcapitata*, *Chlorella kesslerii*)

pH > 6.5 - 7.5: ErC50: 0.026 - 0.079 mg/l (72h, *Pseudokirchneriella subcapitata*, *Chlorella kesslerii*)

pH > 7.5 - 8.5: ErC50: 0.020 - 0.049 mg/l (72h, *Pseudokirchneriella subcapitata*, *Chlorella kesslerii*)

#### Chronic toxicity:

Freshwater plants, NOEC (EC10): 0.0061 - 1.190 mg/l (*Pseudokirchneriella subcapitata*), 0.085 - 1.025 mg/l (*Lemna minor*)

Marine water plants, NOEC (EC10): 0.0529 - 1.234 mg/l

next page: 12

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 12

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

---

*(Skeletonema costatum), 0.0119 mg/l (Champia parvula)*

### 12.2. Persistency and Degradability

*Lead is naturally occurring and ubiquitous in the environment. Lead is obviously persistent in the sense that they do not depend to CO<sub>2</sub>, water, and other elements of less environmental concern. In the water compartment, lead is rapidly and strongly bound to the suspended solids of the water column.*

*Hydrocarbons, C11-C12, Isoalkanes, < 2% Aromatics:*

*Biochemical oxygen demand (BOD): 31.3 % (28d)*

*Lead is naturally occurring and ubiquitous in the environment.*

*Lead is obviously persistent in the sense that they do not depend to CO<sub>2</sub>, water, and other elements of less environmental concern. In the water compartment, lead is rapidly and strongly bound to the suspended solids of the water column.*

### 12.3. Bioaccumulation

*Lead compounds:*

*Bioaccumulation potential (BAF): 1.552 l/kg; Fish: 0.10 kg/kg; Soil: not likely*

### 12.4. Mobility

*Lead compounds:*

*Slightly soluble in water.*

*Adsorption/Soil: log K<sub>d</sub> 5.2 (fresh water sediment); log K<sub>d</sub> 5.7 (marine sediment); log K<sub>d</sub> 3.8 (soil)*

*Hydrocarbons, C11-C12, Isoalkanes, < 2% Aromatics:*

*Product floats on water, is not very soluble in water. Adsorbs to soil and has low mobility.*

### 12.5. Results of PBT- und vPvP Assessment

*Lead compounds:*

*Inorganic substance: does not comply with the criteria for the classification as PBT or vPvB.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*3, hazardous*

*Do not allow undiluted product or large quantities of it to reach 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:*

*Do not allow product to leak into the sewage system, waters or soil. This material and its container must be disposed of in a safe way.*

*Dispose according to the waste disposal guidelines 2008/98/EC.*

*European Waste Code (EWC):*

*080111 - Waste paint and varnish containing organic solvents or*

*next page: 13*

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 13

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

*other dangerous substances*

*Uncleaned packaging:*

*Non-contaminated and emptied packaging may be taken for reuse.*

*Waste Code No.:*

### 14. Transport Information

#### 14.1. UN Number

ADR, IMDG, IATA 1263

#### 14.2. UN Proper Shipping Name

ADR/RID: FARBE (Blei(II,IV)oxid)

IMDG/IATA: PAINT (Lead (II,IV)oxide)

#### 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: III

IMDG: III

IATA: III

#### 14.5. Environmental Hazards

*Environmentally hazardous substance, solid; Marine Pollutant*

#### 14.6. Special Precautions for User

*Warning: Inflammable liquids.*

#### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

*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:*

*3, very hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*The employment restrictions for expectant and nursing mothers*

# Safety Data Sheet

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



## 425207 Red Lead in Alkyd Resin

Page 14

Revised edition: 27.01.2021

Version: 1

Printed: 29.01.2021

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*and for young workers are to be observed.*

*Concerning pregnancy: group B (TRGS 505, TRGS 900, Germany)*

### *Restriction and prohibition of application:*

*Not permitted for private consumers (Chemicals Prohibition Directive).*

*Restricted to professional users.*

### *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 (REACH, Annex XIV): Lead(II,IV) oxide*

#### 15.3. Further Information

*Contains lead, do not use for paint of objects which could be licked or chewed by children.*

*Danger of cumulative effect (when the content of lead is > 1 %).*

*VOC Content: approx. 15 %*

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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.*