

Material Safety Data Sheet

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



60410 Shellac Orange

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Revised edition: 24.01.2014

Version: 1.0

Printed: 28.10.2014

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

1.1. Product Identifier

Product Name: Shellac Orange

Article No.: 60410

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

Identified uses:

Surface finish, binding agent, glue, food additive (coating, glazing, anti-sticking agent)

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet

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.de

E-Mail: info@kremer-pigmente.de

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

This product is not classified as hazardous according to the CLP/GHS Directive.

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

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

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3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: CAS No. 9000-59-3, EINECS 232-549-9

Hazardous Ingredients:

Additional information:

Shellack complies with the definition of a polymer: exempted from the mandatory REACH Registration.

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

No special measures required.

After skin contact:

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

After eye contact:

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

After ingestion:

Rinse mouth with plenty of water and consult physician.

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

Symptoms:

No further information available.

Effects:

No further information available.

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:

Foam, CO2, dry extinguishing powder.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides.

5.3. Advice for Firefighters

Protective equipment:

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No special measures required.

Further information:

Cool exposed containers with water spray.

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid contact with skin, eyes and clothing.

Avoid formation of dust.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

6.4. Reference to other Sections

See Section 13 for information on disposal.

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.

Avoid contact with eyes and skin.

Do not swallow or inhale.

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.

Take off contaminated clothing immediately. Store working clothes separately.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store product in a cool, dry and well ventilated area.

Store product below 15°C.

Do not store together with: oxidants.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke.

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Storage class (VCI):

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):

none known

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

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.

Respiratory protection:

Not required.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

*Butyl rubber (480 min; 0.5 mm).
Nitrile rubber (480 min, 0.35 mm)
Neoprene.*

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

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: *solid*

Color: *yellow - brownish*

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Odor:	<i>weak</i>
Odor threshold:	<i>No information available.</i>
pH-Value:	<i>not available</i>
Melting temperature:	<i>70 - 105°C</i>
Boiling temperature:	<i>not determined</i>
Flash point:	<i>> 300°C</i>
Evaporation rate:	<i>No information available.</i>
Flammability (solid, gas):	
Upper explosion limit:	<i>no information available</i>
Lower explosion limit:	<i>no information available</i>
Vapor pressure:	<i>not determined</i>
Vapor density:	<i>No information available.</i>
Density:	<i>not applicable</i>
Solubility in water:	<i>insoluble</i>
Coefficient of variation (n-Octanol/Water):	<i>not determined</i>
Auto-ignition temperature:	<i>not applicable</i>
Decomposition temperature:	<i>No data available.</i>
Viscosity, dynamic:	<i>not available</i>
Explosive properties:	<i>Product is not explosive; however, an explosive dust/air mixture can be formed.</i>
Oxidizing properties:	<i>no information available</i>
Bulk density:	<i>ca. 400 kg/m³</i>

9.2. Further Information

Solubility in solvents:

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Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

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

No information available.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

No further information available.

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 Toxicological Effects

Acute Toxicity

LD50, oral: > 5000 mg/kg (rat)

LD50, dermal: > 10000 mg/kg (rabbit)

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

The dust particles can cause mechanical irritation.

Irritant effect on eyes:

Dust may cause irritation.

Inhalation:

Non irritating.

Ingestion:

No information available

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Sensitization:

Not known.

Mutagenicity:

No data available.

Reproductive toxicity:

No information available.

Cancerogenity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

No health impairments known or expected when used according to specifications.

Inhalation: Long-term overexposure can irritate the respiratory tract and cause coughing.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

EC50: > 500 mg/l (24h, Daphnia magna)

Bacteria toxicity:

no information available

Algae toxicity:

LC50: > 400 mg/l (24h)

12.2. Persistency and Degradability

34 % (28d); biodegradable (OECD 301E)

12.3. Bioaccumulation

No information available.

12.4. Mobility

No data available.

12.5. Results of PBT- und vPvP Assessment

No data available.

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:

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Product does not contain any organically bound halogen.

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

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14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

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

not applicable

14. 8. Further Information

Not classified as a dangerous good under transport regulations.

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

Local regulations on chemical accidents:

Not listed.

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

Shellack complies with the definition of a polymer: exempted from the mandatory REACH Registration.

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.