

# SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012), the American National Standards Institute (Z400.1, 1998), and equivalent state Standards. It has also been developed in accordance with the Canadian Workplace Hazardous Materials Standard and the United Nations Globally Harmonized System of Classification of Chemicals. Refer to Section 16 of this document for the definition of terms and abbreviations.

**Revision Date** 16-Feb-2018  
**Version** 3,07

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** Orange Flake Shellac  
**Product code** 8161100, 8161101

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** No information available  
**Restrictions on use** No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier** **Paul H. Gesswein & Co., Inc.**  
201 Hancock Ave., Bridgeport, CT 06605  
Phone: 203-366-5400, FAX: 203-366-3953  
**1.4 Emergency telephone number** CHEMTELL - 800-255-3924  
email: info@gesswein.com, www.gesswein.com

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910.1200**

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.2 Label elements

This product is not classified,

#### **Signal Word**

Warning

#### **Hazard Statements**

Combustible Dust (OSHA Defined) USH001 May form combustible dust concentrations in air,

### 2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity** 100% of the mixture consists of ingredient(s) of unknown toxicity**3. Composition/Information on Ingredients****Substance****Mixture**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures****4.1 Description of first-aid measures**

**General advice** No information available.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**4.2 Most important symptoms and effects, both acute and delayed****Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician** Treat symptomatically.**5. Fire-Fighting Measures****5.1 Extinguishing media****Suitable extinguishing media**Dry chemical, CO<sub>2</sub> or water spray.**Unsuitable Extinguishing Media** None.**5.2 Special hazards arising from the substance or mixture****Special Hazard**

Under certain conditions, a fine dust cloud of this material in air may cause a dust explosion if ignited, as when exposed to heat, sparks or open flame. Vapors may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire. Burns with a clear, almost invisible flame.

**Hazardous Combustion Products** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.

**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

No information available.

**6.2 Environmental precautions**

No information available. See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** No information available.

**Methods for cleaning up** Sweep up and re-use if possible or discard. Sweep up gently to avoid dust cloud formation.

## 7. Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling** Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** To avoid blocking, store under refrigeration.

**Materials to Avoid** Strong oxidizing agents.

## 8. Exposure controls/personal protection

**8.1 Exposure Guidelines****8.2 Appropriate engineering controls**

**Engineering Measures** It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

**8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body

suit as appropriate.

**Respiratory protection**

. NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.

**Hygiene measures**

See section 7 for more information

## 9. Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	<b>Color</b>	Yellow to Tan/Brown
<b>Appearance</b>	Granules	<b>Odor Threshold</b>	No information available
<b>Odor</b>	Characteristic Shellac Odor		

**Property****Values****Remarks • Methods**

<b>pH</b>		No information available
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>		No information available
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	1.2	
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

**9.2 Other information**

**Volatile organic compounds (VOC) content** No information available

## 10. Stability and Reactivity

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Extremes of temperature and direct sunlight.

**10.5 Incompatible Materials**

Strong oxidizing agents.

### **10.6 Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## **11. Toxicological information**

### **11.1 Acute toxicity**

#### **Numerical measures of toxicity: Product Information**

**Unknown Acute Toxicity** 100% of the mixture consists of ingredient(s) of unknown toxicity

#### **Numerical measures of toxicity: Component Information**

### **11.2 Information on toxicological effects**

#### **Skin corrosion/irritation**

##### Product Information

- Prolonged or repeated exposure not likely to cause significant skin irritation.

##### Component Information

- No information available

#### **Serious eye damage/eye irritation**

##### Product Information

- Mechanical injury only.

##### Component Information

- No information available

#### **Respiratory or skin sensitization**

##### Product Information

- Vapors are unlikely due to physical properties. Single exposure to dust is not likely to be hazardous.

##### Component Information

- No information available

#### **Germ cell mutagenicity**

##### Product Information

- No information available

##### Component Information

- No information available

#### **Carcinogenicity**

##### Product Information

- No information available

##### Component Information

- No information available

#### **Reproductive toxicity**

##### Product Information

- No information available

##### Component Information

- No information available

#### **STOT - single exposure**

No information available

**STOT - repeated exposure** No information available

**Other adverse effects** Product Information

• No hazards anticipated from ingestion incidental to industrial exposure. Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

Component Information

• No information available

**Aspiration hazard**

Product Information

• No information available

Component Information

• No information available

## 12. Ecological information

### 12.1 Toxicity

Ecotoxicity

No information available

100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

Discharge into the environment must be avoided

### 12.4 Mobility in soil

No information available.

### 12.5 Other adverse effects

No information available

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. Transport Information

DOT Not regulated

MEX Not regulated

IMDG Not regulated

IATA Not regulated

**15. Regulatory information**

**15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL** - Canadian Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2 U.S. Federal Regulations**

**SARA313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**15.3 Pesticide Information**

Not applicable

**15.4 U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**16. Other information**

<b>NFPA</b>	Health Hazard 0	Flammability 0	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal protection X

**Legend:**

- ACGIH (American Conference of Governmental Industrial Hygienists)*
- Ceiling (C)*
- DOT (Department of Transportation)*
- EPA (Environmental Protection Agency)*
- IARC (International Agency for Research on Cancer)*
- International Air Transport Association (IA TA)*
- International Maritime Dangerous Goods (IMDG)*
- NIOSH (National Institute for Occupational Safety and Health)*
- NTP (National Toxicology Program)*
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
- PEL (Permissible Exposure Limit)*
- Reportable Quantity (RQ)*
- Skin designation (S\*)*
- STEL (Short Term Exposure Limit)*

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*TL V<sup>®</sup> {Threshold Limit Value}*  
*TWA (time-weighted average)*

<b>Revision</b>	<b>Date</b>	16-Feb-2018
<b>Revision</b>	<b>Note</b>	

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**