

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Tru/Tan

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

Use of the substance/mixture : Wine Making

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

Oak Solutions Group  
2557 Napa Valley Corp. Dr., Suite D  
Napa, CA 94558  
T 707-259-4988 - F 707-255-5952

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Comb. Dust H232

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H232 - May form combustible dust concentrations in air

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Tannins	(CAS No) 1401-55-4	Trade Secret	Not classified
Ellagitannin	None	Trade Secret	Not classified

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove the victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen if available. If the victim is not breathing, administer CPR (cardiopulmonary resuscitation). Seek medical attention.
- First-aid measures after skin contact : In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.
- First-aid measures after eye contact : Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.
- First-aid measures after ingestion : If victim is conscious and alert, give 2 - 3 glasses of water to drink and do not induce vomiting. Seek immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : May cause skin irritation.

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Symptoms/injuries after eye contact : May cause eye irritation.  
Symptoms/injuries after ingestion : Not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : None.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : When heated to decomposition, emits toxic fumes.  
Explosion hazard : May form flammable/explosive dust-air mixture.

### 5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Isolate area. Keep unnecessary personnel away.  
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid unnecessary exposure. Do not breathe dust. Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Wear suitable protective clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, well-ventilated area. Keep container closed when not in use. Eliminate possible source of ignition.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Tannins (1401-55-4)	
ACGIH	Not applicable
OSHA	Not applicable
Ellagitannin	
ACGIH	Not applicable
OSHA	Not applicable

### 8.2. Exposure controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards.

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Hand protection	: Use impervious gloves such as neoprene, nitrile, or rubber for hand protection.
Eye protection	: Safety glasses.
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: Yellow-Brown
Odor	: Oak
Odor threshold	: No data available
pH	: 2.5 - 4
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 200 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: 470 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Vapor density	: 0.3 - 0.5
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

Will not occur.

#### 10.4. Conditions to avoid

Dust formation, moisture, heat

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

Oxides of carbon and other toxic gases.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Tannins (1401-55-4)	
LD50 oral rat	2260 mg/kg
ATE US (oral)	2260.000 mg/kg

Skin corrosion/irritation : Not classified  
pH: 2.5 - 4

Serious eye damage/irritation : Not classified  
pH: 2.5 - 4

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Tannins (1401-55-4)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14: Transport information

In accordance with DOT

Not a dangerous good as defined in transport regulations

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Tannins (1401-55-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Full text of H-phrases::

Comb. Dust	Combustible Dust
H232	May form combustible dust concentrations in air

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*