

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product name : Tru/Tan

1.2. Recommended uses and restrictions

Wine Making

1.3. Supplier information

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SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Not classified

2.2. Label elements

No labeling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

Name	CAS No	%	Classification
Tannins	1401-55-4	Trade Secret	Not classified
Ellagitannin	None	Trade Secret	Not classified

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.
- 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.

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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 - exposure standards

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

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

8.4. Personal protective equipment

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.

9.1. SECTION 9: 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 / Freezing point : 200 °C

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : 470 °C

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative density : 0.3 - 0.5

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Specific gravity / density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Explosion limits	: No data available
Minimum ignition energy	: No data available

10.1. SECTION 10: Stability and reactivity

Chemical stability	: The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	: Will not occur.
Conditions to avoid	: Dust formation, moisture, heat
Incompatible materials	: None known.
Hazardous decomposition products	: Oxides of carbon and other toxic gases.

11.1. SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Tannins (1401-55-4)

LD50 oral rat	2260 mg/kg
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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
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets , Environmental classification information is not mandatory . Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Aquatic acute	: Not classified
Aquatic chronic	: Not classified

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

Ozone	: Not classified
Other adverse effects	: No additional information available
Effect on ozone layer	: No additional information available.

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Effect on ozone layer	No additional information available
Fluorinated greenhouse gases	False
GWPmix comment	No known effects from this product.

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Fluorinated greenhouse gases	False
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Non Hazardous Ingredients

Fluorinated greenhouse gases	False
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SECTION 13: Disposal considerations

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

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name - Addition

Not applicable

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Classification:

Not classified	
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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