



Material Safety Data Sheet

Material Name: Tru/Tan

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Oak Solutions Group
2557 Napa Valley Corp. Dr.
Suite D
Napa, CA 94558

Phone: (707) 259-4988
Fax: (707) 255-5952

*** Section 2 - Hazards Identification ***

Emergency Overview

May irritate eyes, skin and respiratory tract.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation if swallowed.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
1401-55-4	Gallo Tannin	62-90
Not Available	Ellagitannin	10-38

*** Section 4 - First Aid Measures ***

First Aid: Eyes

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: Skin

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

First Aid: Ingestion

If victim is conscious and alert, give 2 - 3 glasses of water to drink and do not induce vomiting. Seek immediate medical attention.

First Aid: 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.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
May form flammable dust-air mixture.

Hazardous Combustion Products

May release oxides of carbon and other unknown toxic gases.

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

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Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Prevent entry to sewers and public waters.

Clean-Up Procedures

Sweep or shovel spills into appropriate container for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Avoid dust generation. Wear suitable protective clothing and gloves.

*** Section 7 - Handling and Storage ***

Handling Procedures

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.

Storage Procedures

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

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use local exhaust or general room ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety Glasses

Personal Protective Equipment: Skin

Wear suitable gloves.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain is recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Yellow-Brown Powder	Odor:	Oak
Physical State:	Solid	pH:	2.5-4
Vapor Pressure:	NA	Vapor Density:	0.3-0.5
Boiling Point:	NA	Melting Point:	200°C
Solubility (H2O):	Soluble	Specific Gravity:	ND
Evaporation Rate:	NA	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	NA
Flash Point Method:	NA	Upper Flammability Limit	ND
		(UFL):	
Lower Flammability Limit	ND	Burning Rate:	ND
(LFL):			
Auto Ignition:	470°C		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Dust formation, moisture, heat

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Incompatibility

None

Hazardous Decomposition

Oxides of carbon and other toxic gases

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Gallo Tannin (1401-55-4)

Oral LD50 Rat: 2260 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Gallo Tannin (1401-55-4)

IARC: Supplement 7 [1987], Monograph 10 [1976] (and tannins) (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Gallo Tannin (1401-55-4)

Test & Species

96 Hr LC50 *Gambusia affinis*

Conditions

37 mg/L

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

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Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Gallo Tannin	1401-55-4	Yes	No	No	No	No	No

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Gallo Tannin	1401-55-4	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

End of Sheet