# **SAFETY DATA SHEET**



Revision date 13-Sep-2022 Revision Number 2

## 1. Identification

**Product identifier** 

Product Name V-310 Tan

Other means of identification

Product Code(s) FG00029

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use

Restrictions on use

Details of the supplier of the safety data sheet

#### **Manufacturer Address**

American Art Clay Co Inc 6060 Guion Road Indianapolis, IN 46254-1222 USA Toll Free: 1-800-999-5456 CustomerCare@Amaco.com

Emergency telephone number

**Emergency Telephone** U.S. Poison Control 1-800-222-1222

## 2. Hazard(s) identification

### Classification

Acute toxicity - Oral	Category 4
Skin sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 2

## Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

### Hazard statements

## Warning

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure



#### Physical state Liquid

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/clothing and eye/face protection Do not breathe dust/fume/gas/mist/vapors/spray

#### **Precautionary Statements - Response**

Specific treatment (see .? on this label)
Get medical advice/attention if you feel unwell
IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Unknown acute toxicity

21.1233 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

21.1233 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

31.4233 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

31.4233 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

27.4333 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### Other information

Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

# 3. Composition/information on ingredients

Not applicable.

## <u>Mixture</u>

Chemical name	CAS No	Weight-%
Kaolin	1332-58-7	5 - <10
Quartz	14808-60-7	3 - <5
Frits, chemicals	65997-18-4	3 - <5
Zircon	14940-68-2	1 - <3
C.I. Pigment Red 235	68201-65-0	1 - <3
C.I. Pigment Red 232	68412-79-3	1 - <3
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	0.1 - 1

## 4. First-aid measures

**Description of first aid measures** 

**General advice** Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation

or allergic reactions see a physician.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

## 5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge None

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

## Conditions for safe storage, including any incompatibilities

**Storage Conditions** 

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** 

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Kaolin	TWA: 2 mg/m³ particulate	TWA: 15 mg/m³ total dust	TWA: 10 mg/m <sup>3</sup> total dust
1332-58-7	matter containing no asbestos	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ respirable dust
	and <1% crystalline silica,	fraction	
	respirable particulate matter	(vacated) TWA: 10 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m <sup>3</sup>	
		respirable fraction	
Quartz	TWA: 0.025 mg/m³ respirable	TWA: 50 μg/m³	IDLH: 50 mg/m <sup>3</sup> respirable dust
14808-60-7	particulate matter	(vacated) TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m³ respirable
		respirable dust	dust
		: (250)/(%SiO2 + 5) mppcf	
		TWA respirable fraction	
		: (10)/(%SiO2 + 2) mg/m <sup>3</sup>	
F	0751 40 / 27	TWA respirable fraction	IDILL 5 / 2A
Frits, chemicals	STEL: 10 mg/m³ Zr	TWA: 10 μg/m³ As	IDLH: 5 mg/m³ As
65997-18-4	TWA: 0.01 mg/m³ As	TWA: 50 μg/m³ Pb	IDLH: 9 mg/m³ Cd dust and
	TWA: 0.05 mg/m³ Pb	TWA: 0.5 mg/m <sup>3</sup> Sb	fume
	TWA: 0.01 mg/m³ Cd	TWA: 5 mg/m³ Zr	IDLH: 50 mg/m³ Sb
	TWA: 0.002 mg/m³ Cd	(vacated) TWA: 0.5 mg/m³ Sb	IDLH: 100 mg/m³ Cu dust and
	respirable particulate matter	(vacated) TWA: 5 mg/m³ Zr	mist
	TWA: 0.5 mg/m <sup>3</sup> Sb TWA: 1 mg/m <sup>3</sup> Cu dust and mist	(vacated) STEL: 10 mg/m³ Zr (vacated) Ceiling: 5 mg/m³	IDLH: 500 mg/m³ Mn IDLH: 25 mg/m³ Zr
	TWA: 3 mg/m <sup>3</sup> W respirable	Ceiling: 5 mg/m <sup>3</sup> Mn	IDLH: 100 mg/m <sup>3</sup> Pb
	particulate matter in the absence		IDLH: 100 mg/m³ Ni
	of cobalt		Ceiling: 0.002 mg/m³ As 15 min
	TWA: 5 mg/m <sup>3</sup> Zr		Ceiling: 0.05 mg/m³ V dust and
	TWA: 0.02 mg/m <sup>3</sup> Mn respirable		fume 15 min
	particulate matter		TWA: 0.5 mg/m <sup>3</sup> Sb
	TWA: 0.1 mg/m³ Mn inhalable		TWA: 1 mg/m³ Cu dust and
	particulate matter		mist
	<u> </u>		TWA: 1 mg/m³ Mn
			TWA: 5 mg/m³ except Zirconium
			tetrachloride Zr

FG00029 - V-310 Tan Revision date 13-Sep-2022

			TWA: 0.050 mg/m³ Pb TWA: 0.015 mg/m³ except Nickel carbonyl Ni STEL: 3 mg/m³ Mn STEL: 10 mg/m³ Zr
Zircon 14940-68-2	STEL: 10 mg/m³ Zr TWA: 5 mg/m³ Zr	TWA: 5 mg/m³ Zr (vacated) TWA: 5 mg/m³ Zr	IDLH: 25 mg/m³ Zr TWA: 5 mg/m³ except Zirconium
		(vacated) STEL: 10 mg/m³ Zr	tetrachloride Zr STEL: 10 mg/m³ Zr
C.I. Pigment Red 235	-	TWA: 0.5 mg/m <sup>3</sup> Cr	IDLH: 25 mg/m <sup>3</sup> Cr(III)
68201-65-0		(vacated) TWA: 0.5 mg/m <sup>3</sup> Cr	TWA: 0.5 mg/m <sup>3</sup> Cr
C.I. Pigment Red 232	STEL: 10 mg/m³ Zr	TWA: 5 mg/m³ Zr	IDLH: 25 mg/m <sup>3</sup> Zr
68412-79-3	TWA: 5 mg/m³ Zr	(vacated) TWA: 5 mg/m <sup>3</sup> Zr	TWA: 5 mg/m³ except Zirconium
		(vacated) STEL: 10 mg/m <sup>3</sup> Zr	tetrachloride Zr
			STEL: 10 mg/m <sup>3</sup> Zr

### **Biological occupational exposure limits**

Chemical name	ACGIH
Frits, chemicals	200 μg/L - blood (Lead) - not critical
65997-18-4	5 μg/g creatinine - urine (Cadmium) - not critical
	5 μg/L - blood (Cadmium) - not critical

### **Appropriate engineering controls**

**Engineering controls Showers** 

> Eyewash stations Ventilation systems.

### Individual protection measures, such as personal protective equipment

Wear safety glasses with side shields (or goggles). Eye/face protection

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

Do not eat, drink or smoke when using this product. Wash hands before breaks and **General hygiene considerations** 

immediately after handling the product.

## 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state

**Appearance** Color

Odor

**Odor threshold** 

**Property** Remarks • Method Values No data available None known

Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known No data available Flash point None known **Evaporation rate** No data available None known No data available **Flammability** None known None known

Liquid

Flammability Limit in Air

Upper flammability or explosive No data available limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available None known Relative vapor density No data available None known No data available Relative density None known No data available None known Water solubility No data available None known Solubility(ies) **Partition coefficient** No data available None known 392.78 None known **Autoignition temperature** None known **Decomposition temperature** Kinematic viscosity No data available None known No data available None known

Dynamic viscosity

Other information

Explosive properties

Oxidizing properties

VOC Content (%)

No information available
No information available
No information available

## 10. Stability and reactivity

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions 
None under normal processing.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Harmful if swallowed. (based

on components).

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives.

Acute toxicity

#### **Numerical measures of toxicity**

No information available

### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,916.30 mg/kg ATEmix (dermal) 24,217.60 mg/kg ATEmix (inhalation-dust/mist) 27.30 mg/l

#### **Unknown acute toxicity**

21.1233 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

21.1233 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

31.4233 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

31.4233 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

27.4333 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Frits, chemicals 65997-18-4	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
C.I. Pigment Red 232 68412-79-3	-	-	> 5.6 mg/L (Rat)4 h
1,3,5-Triazine-1,3,5(2H,4H,6H)-t riethanol 4719-04-4	= 763 mg/kg (Rat)	> 4000 mg/kg (Rat)	= 0.4 mg/L (Rat) 4 h = 0.338 mg/L (Rat) 4 h

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
14808-60-7				
Frits, chemicals	A1	Group 1	Known	X
65997-18-4	A3	Group 2B	Reasonably Anticipated	
	A2	Group 2A		
C.I. Pigment Red 235	-	Group 3	-	-
68201-65-0				

### Legend

#### **ACGIH (American Conference of Governmental Industrial Hygienists)**

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

## IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

#### NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

## OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

for ingredients. May damage fertility or the unborn child.

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

Target organ effects Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Central

Vascular System (CVS), Lungs, Nasal Cavities, Lymphatic System, prostate,

Gastrointestinal tract (GI).

**Aspiration hazard** No information available.

Other adverse effects

Interactive effects

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
1,3,5-Triazine-1,3,5(2H,4	-	LC50: =16.07mg/L (96h,	-	-
H,6H)-triethanol		Danio rerio)		
4719-04-4				

### Persistence and degradability

**Bioaccumulation** There is no data for this product.

Other adverse effects No information available.

## 13. Disposal considerations

**Disposal methods** 

Waste from residues/unused

products

Dispose of waste in accordance with environmental legislation. Dispose of in accordance

with local regulations.

**Contaminated packaging** Do not reuse empty containers.

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as

a hazardous waste.

## 14. Transport information

**DOT** Not regulated

UN number or ID number UN3082

Packing group

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## 15. Regulatory information

### **International Inventories**

TSCA Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Water	7732-18-5	Present	Active
Nepheline syenite	37244-96-5	-	Unknown *
Kaolin	1332-58-7	Present	Active
Quartz	14808-60-7	Present	Active
Frits, chemicals	65997-18-4	Present	Active
Zircon	14940-68-2	Present	Active
C.I. Pigment Red 235	68201-65-0	Present	Active
C.I. Pigment Red 232	68412-79-3	Present	Active
Sodium carboxymethyl cellulose	9004-32-4	Present	Active
Smectite-group minerals	12199-37-0	Present	Active
D-gluco-Heptonic acid, monosodium salt, (2.xi.)-	31138-65-5	Present	Active
1,2,3-Propanetriol	56-81-5	Present	Active
1,3,5-Triazine-1,3,5(2H,4H,6H)-trietha nol	4719-04-4	Present	Active
Ethanolamine	141-43-5	Present	Active

<sup>\*</sup>Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

**DSL/NDSL** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. **ENCS IECSC** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **KECL PICCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. AIIC **NZIoC** Contact supplier for inventory compliance status.

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified 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

**AllC** - Australian Inventory of Industrial Chemicals **NZIoC** - New Zealand Inventory of Chemicals

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### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %	
Frits, chemicals - 65997-18-4	0.1	

#### FG00029 - V-310 Tan

	1.0
C.I. Pigment Red 235 - 68201-65-0	1.0

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous
	Quantities			Substances
Frits, chemicals 65997-18-4	-	X	-	-
C.I. Pigment Red 235 68201-65-0	-	X	-	-

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## **US State Regulations**

### **U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	X
Kaolin 1332-58-7	X	X	X
Quartz 14808-60-7	X	X	X
Frits, chemicals 65997-18-4	X	-	X
C.I. Pigment Red 235 68201-65-0	X	-	X
1,2,3-Propanetriol 56-81-5	X	X	X
Ethanolamine 141-43-5	X	X	X

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. Other information

NFPA Health hazards 2 Flammability 0 Instability 0 Special hazards - HMIS Health hazards 2 Flammability 0 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend \*= Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date

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**Revision Note** 

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**