SAFETY DATA SHEET

30411-4804

AMACO EST. 1919 brent

Revision Number 2

Revision date 13-Sep-2022

1. Identification	
Product identifier	
Product Name	V-311 Nectar
Other means of identification	
Product Code(s)	FG00030
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
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

Hazards not otherwise classified (HNOC) Not applicable

Label elements

Hazard statements

Danger

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H350 - May cause cancer

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



Physical state Liquid

Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required 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 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention Specific treatment (see .? on this label) 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 - Storage Store locked up

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Unknown acute toxicity

13.2444 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
16.8844 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
38.8844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
38.8844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
22.9244 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Other information

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

3. Composition/information on ingredients

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
C.I. Pigment Yellow 159	68187-15-5	10 - 20
Frits, chemicals	65997-18-4	5 - <10
Silicic acid, zirconium salt, cadmium pigment-encapsulated	102184-95-2	5 - <10
Kaolin	1332-58-7	5 - <10

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Aluminum oxide (Al2O3)	1344-28-1	3 - <5
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 effe	ects, 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		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the 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 impac	et 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.

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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, includi	ng 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
C.I. Pigment Yellow 159	STEL: 10 mg/m ³ Zr	TWA: 5 mg/m ³ Zr	IDLH: 25 mg/m ³ Zr
68187-15-5	TWA: 5 mg/m ³ Zr	(vacated) TWA: 5 mg/m ³ Zr	TWA: 5 mg/m ³ except Zirconium
	_	(vacated) STEL: 10 mg/m ³ Zr	tetrachloride Zr
			STEL: 10 mg/m ³ Zr
Frits, chemicals	STEL: 10 mg/m ³ Zr	TWA: 10 µg/m³ As	IDLH: 5 mg/m ³ As
65997-18-4	TWA: 0.01 mg/m ³ As	TWA: 50 µg/m³ Pb	IDLH: 9 mg/m ³ Cd dust and
	TWA: 0.05 mg/m ³ Pb	TWA: 0.5 mg/m ³ Sb	fume
	TWA: 0.01 mg/m ³ Cd	TWA: 5 mg/m ³ Zr	IDLH: 50 mg/m ³ Sb
	TWA: 0.002 mg/m ³ Cd	(vacated) TWA: 0.5 mg/m ³ Sb	IDLH: 100 mg/m ³ Cu dust and
	respirable particulate matter	(vacated) TWA: 5 mg/m ³ Zr	mist
	TWA: 0.5 mg/m ³ Sb	(vacated) STEL: 10 mg/m ³ Zr	IDLH: 500 mg/m ³ Mn
	TWA: 1 mg/m ³ Cu dust and mist	(vacated) Ceiling: 5 mg/m ³	IDLH: 25 mg/m ³ Zr
	TWA: 3 mg/m ³ W respirable	Ceiling: 5 mg/m ³ Mn	IDLH: 100 mg/m ³ Pb
	particulate matter in the absence		IDLH: 10 mg/m ³ Ni
	of cobalt		Ceiling: 0.002 mg/m ³ As 15 min
	TWA: 5 mg/m ³ Zr		Ceiling: 0.05 mg/m ³ V dust and
	TWA: 0.02 mg/m ³ Mn respirable		fume 15 min
	particulate matter		TWA: 0.5 mg/m ³ Sb
	TWA: 0.1 mg/m ³ Mn inhalable		TWA: 1 mg/m ³ Cu dust and
	particulate matter		mist
			TWA: 1 mg/m ³ Mn
			TWA: 5 mg/m ³ except Zirconium
			tetrachloride Zr
			TWA: 0.050 mg/m ³ Pb
			TWA: 0.015 mg/m ³ except
			Nickel carbonyl Ni
			STEL: 3 mg/m ³ Mn
			STEL: 10 mg/m ³ Zr

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Silicic acid, zirconium salt,	STEL: 10 mg/m ³ Zr	TWA: 5 mg/m ³ Zr	IDLH: 9 mg/m ³ Cd dust and
cadmium pigment-encapsulated	TWA: 0.01 mg/m ³ Cd	(vacated) TWA: 5 mg/m ³ Zr	fume
102184-95-2	TWA: 0.002 mg/m ³ Cd	(vacated) STEL: 10 mg/m ³ Zr	IDLH: 25 mg/m ³ Zr
	respirable particulate matter		TWA: 5 mg/m ³ except Zirconium
	TWA: 5 mg/m³ Zr		tetrachloride Zr
			STEL: 10 mg/m ³ Zr
Kaolin	TWA: 2 mg/m ³ particulate	TWA: 15 mg/m ³ total dust	TWA: 10 mg/m ³ total dust
1332-58-7	matter containing no asbestos	TWA: 5 mg/m ³ respirable	TWA: 5 mg/m ³ respirable dust
	and <1% crystalline silica,	fraction	
	respirable particulate matter	(vacated) TWA: 10 mg/m ³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction	
Aluminum oxide (Al2O3)	TWA: 1 mg/m ³ respirable	TWA: 15 mg/m ³ total dust	-
1344-28-1	particulate matter	TWA: 5 mg/m ³ respirable	
		fraction	
		(vacated) TWA: 10 mg/m ³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction	

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
Silicic acid, zirconium salt, cadmium pigment-encapsulated	5 μg/g creatinine - urine (Cadmium) - not critical
102184-95-2	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			
Eye/face protectionWear safety glasses with side shields (or goggles).			
Hand protection Wear suitable gloves.			
Skin and body protection	Wear suitable protective clothing.		
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.		
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.		

9. Physical and chemical properties

Information on basic physical and chemical properties			
Physical state	Liquid		
Appearance			
Color			
Odor			
Odor threshold			
Property	Values		
рН	No data available		

Remarks • Method None known

Item Numbers: 30411-4804, 30411-4806

Melting point / freezing point	No data available	None known
Initial boiling point and boiling rang	eNo data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
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
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	410	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
VOC Content (%)	No information available	
10. Stability and reactivity		
Depending in the	No information available.	
Reactivity	no mormation 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	

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Numerical measures of toxicity	
No information available	

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

ATEmix (oral) ATEmix (dermal)

834.70 mg/kg 6,850.10 mg/kg ATEmix (inhalation-dust/mist) 7.24 mg/l

Unknown acute toxicity

13.2444 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

16.8844 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

38.8844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

38.8844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

22.9244 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
C.I. Pigment Yellow 159 68187-15-5	-	-	> 5.5 mg/L (Rat)4 h
Frits, chemicals 65997-18-4	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Silicic acid, zirconium salt, cadmium pigment-encapsulated 102184-95-2	-	-	> 5.07 mg/L (Rat)4 h
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Aluminum oxide (Al2O3) 1344-28-1	> 5000 mg/kg (Rat)	-	-
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 informatio	No information available.			
Serious eye damage/eye i	rritation No informatio	No information available.			
Respiratory or skin sensit	ization May cause ar	allergic skin reaction.			
Germ cell mutagenicity	No informatio	n available.			
Carcinogenicity	ingredients. N	lay cause cancer.	gen. Classification based o	on data available for	
The table below indicates v	<u> </u>		V		
Chemical name	ACGIH	IARC	NTP	OSHA	

Chemical name	ACGIH	IARC	NIP	OSHA
Frits, chemicals	A1	Group 1	Known	Х
65997-18-4	A3	Group 2B	Reasonably Anticipated	
	A2	Group 2A		
Silicic acid, zirconium salt,	A2	Group 1	Known	Х
cadmium				
pigment-encapsulated				
102184-95-2				

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

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Group 2B - Possibly Carcinogenic to 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			
Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available 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. Toxic to aquatic life with long lasting effects.

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

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.		

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14. Transport information				
DOT	Not regulated			
UN number or ID number Packing group	UN3082 III			

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
C.I. Pigment Yellow 159	68187-15-5	Present	Active
Frits, chemicals	65997-18-4	Present	Active
Silicic acid, zirconium salt, cadmium pigment-encapsulated	102184-95-2	-	Unknown *
Kaolin	1332-58-7	Present	Active
Aluminum oxide (Al2O3)	1344-28-1	Present	Active
Smectite-group minerals	12199-37-0	Present	Active
Nepheline syenite	37244-96-5	-	Unknown *
Sodium carboxymethyl cellulose	9004-32-4	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

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

AIIC - Australian Inventory of Industrial Chemicals

NZIOC - New Zealand Inventory of Chemicals

US Federal Regulations

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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	
	1.0	
Silicic acid, zirconium salt, cadmium pigment-encapsulated -	0.1	
102184-95-2		
Aluminum oxide (Al2O3) - 1344-28-1	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 Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Frits, chemicals 65997-18-4	-	Х	-	-
Silicic acid, zirconium salt, cadmium pigment-encapsulated 102184-95-2	-	Х	-	-

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
Frits, chemicals 65997-18-4	Х	-	X
Silicic acid, zirconium salt, cadmium pigment-encapsulated 102184-95-2	X	-	X
Kaolin 1332-58-7	Х	X	Х
Aluminum oxide (Al2O3) 1344-28-1	Х	X	Х
Ethanolamine 141-43-5	Х	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

FG00030 - V-311	Nectar			Revision date	13-Sep-2022
NFPA HMIS Chronic Hazard Star L	Health hazards 2 Health hazards 2* egend *= Chronic	Flammability 0 Flammability 0 Health Hazard	Instability 0 Physical hazards	Special ha	azards - protection X
	obreviations and acronyms Exposure controls/persona		sheet		
TWA	TWA (time-weighted average) Maximum limit value		STEL (Short Skin designa	t Term Exposure L ation	₋imit)
U.S. Environmental European Food Safe EPA (Environmental Acute Exposure Gui U.S. Environmental U.S. Environmental Food Research Jour Hazardous Substan- International Uniform National Institute of Australia National Ins National Library of M National Library of M National Toxicology New Zealand's Cher Organization for Ecc Organization for Ecc World Health Organ	deline Level(s) (AÉGL(s)) Protection Agency Federal In Protection Agency High Prod rnal cc Database n Chemical Information Datab Technology and Evaluation (N dustrial Chemicals Notificatio titute for Occupational Safety Medicine's ChemID Plus (NLM Medicine's PubMed database Program (NTP) mical Classification and Inform promic Co-operation and Dev pnomic Co-operation and Dev	v Database secticide, Fungicide, and uction Volume Chemicals base (IUCLID) NITE) n and Assessment Scher and Health) t CIP) (NLM PUBMED) nation Database (CCID) relopment Environment, H relopment High Production relopment Screening Infor	ne (NICNAS) lealth, and Safety Public n Volume Chemicals Pr		
	13-Sep-20 ovided in this Safety Data S	Sheet is correct to the be			
	ion. The information given i				

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