

SAFETY DATA SHEET



Revision date 12-Oct-2022

Revision Number 1

1. Identification

Product identifier

Product Name PC-61 Textured Amber

Other means of identification

Product Code(s) FG00299

UN number or ID number UN3082

Synonyms 35472R, 35473S

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

Skin sensitization	Category 1
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Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements**Warning**

H317 - May cause an allergic skin reaction

**Physical state** Liquid**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves/clothing and eye/face protection

Precautionary Statements - Response

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

47.0738 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

53.5218 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Other information

No information available.

3. Composition/information on ingredients

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
Limestone	1317-65-3	5 - <10
Quartz	14808-60-7	5 - <10
Calcium fluoride (CaF ₂)	7789-75-5	1 - <3
Iron oxide (Fe ₂ O ₃)	1309-37-1	1 - <3
Kaolin	1332-58-7	1 - <3
Manganese	7439-96-5	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.

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	Rinse mouth.

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

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 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.

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.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

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
Limestone 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ (vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
Calcium fluoride (CaF ₂) 7789-75-5	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F (vacated) TWA: 2.5 mg/m ³	IDLH: 250 mg/m ³ F TWA: 2.5 mg/m ³ F
Iron oxide (Fe ₂ O ₃) 1309-37-1	TWA: 5 mg/m ³ respirable particulate matter	TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ fume and total dust Iron oxide (vacated) TWA: 5 mg/m ³ respirable fraction regulated under Rouge	IDLH: 2500 mg/m ³ Fe dust and fume TWA: 5 mg/m ³ Fe dust and fume
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Manganese 7439-96-5	TWA: 0.02 mg/m ³ respirable particulate matter TWA: 0.1 mg/m ³ inhalable particulate matter	(vacated) TWA: 1 mg/m ³ fume (vacated) STEL: 3 mg/m ³ fume (vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ fume	IDLH: 500 mg/m ³ TWA: 1 mg/m ³ fume STEL: 3 mg/m ³

Biological occupational exposure limits

Chemical name	ACGIH
Calcium fluoride (CaF ₂) 7789-75-5	2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear 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 Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid

Appearance

Color

Odor

Odor threshold

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No 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 limits	No data available	
Lower flammability or explosive limits	No data available	
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 °C / 770 °F	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

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.

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) 35,436.30 mg/kg

47.0738 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 53.5218 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 55.8018 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium fluoride (CaF ₂) 7789-75-5	= 4250 mg/kg (Rat)	-	> 5070 mg/m ³ (Rat) 4 h
Iron oxide (Fe ₂ O ₃) 1309-37-1	> 10000 mg/kg (Rat)	-	-
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Manganese 7439-96-5	= 9 g/kg (Rat)	-	> 5.14 mg/L (Rat) 4 h
1,3,5-Triazine-1,3,5-(2H,4H,6H)-triethanol 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 No information available.

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

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	X
Calcium fluoride (CaF ₂) 7789-75-5	-	Group 3	-	-
Iron oxide (Fe ₂ O ₃) 1309-37-1	-	Group 3	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Lungs, Gastrointestinal tract (GI).

Aspiration hazard No information available.

Other adverse effects

Interactive effects

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Iron oxide (Fe ₂ O ₃) 1309-37-1	-	LC50: =100000mg/L (96h, Danio rerio)	-	-
Manganese 7439-96-5	-	LC50: >3.6mg/L (96h, Oncorhynchus mykiss)	-	-
1,3,5-Triazine-1,3,5(2H,4H,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.

14. Transport information

DOT

Notes

UN number or ID number

Proper shipping name

Transport hazard class(es)

Packing group

Special Provisions

DOT Marine Pollutant

Description

Emergency Response Guide

Number

No components found suitable for Technical Name.

UN3082

Environmentally hazardous substance, liquid, n.o.s.

9

III

8, 146, 173, 335, IB3, T4, TP1, TP29

NP

UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III, Marine pollutant

171

TDG

Notes

UN number or ID number

UN proper shipping name

Transport hazard class(es)

Packing group

Special Provisions

Description

No components found suitable for Technical Name.

UN3082

Environmentally hazardous substance, liquid, n.o.s.

9

III

16, 99

UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

MEX

Notes

UN number or ID number

UN proper shipping name

Transport hazard class(es)

Packing group

Description

Special Provisions

No components found suitable for Technical Name.

UN3082

Environmentally hazardous substance, liquid, n.o.s.

9

III

UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

274, 331, 335

ICAO (air)

Notes

UN number or ID number

UN proper shipping name

Transport hazard class(es)

Packing group

Description

Special Provisions

No components found suitable for Technical Name.

UN3082

Environmentally hazardous substance, liquid, n.o.s.

9

III

UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

A97, A158, A197, A215

IATA

Notes

UN number or ID number
 UN proper shipping name
 Transport hazard class(es)
 Packing group
 Description
 Special Provisions
 ERG Code

No components found suitable for Technical Name.

UN3082
 Environmentally hazardous substance, liquid, n.o.s.
 9
 III
 UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III
 A97, A158, A197
 9L

IMDG**Notes**

UN number or ID number
 UN proper shipping name
 Transport hazard class(es)
 Packing group
 EmS-No
 Special Provisions
 Marine pollutant
 Description

No components found suitable for Technical Name.

UN3082
 Environmentally hazardous substance, liquid, n.o.s.
 9
 III
 F-A, S-F
 274, 335, 969
 P
 UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III, Marine pollutant

RID**Notes**

UN number or ID number
 UN proper shipping name
 Transport hazard class(es)
 Packing group
 Classification code
 Special Provisions
 Description

No components found suitable for Technical Name.

UN3082
 Environmentally hazardous substance, liquid, n.o.s.
 9
 III
 M6
 274, 335, 375, 601
 UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

ADR**Notes**

UN number or ID number
 UN proper shipping name
 Transport hazard class(es)
 Packing group
 Classification code
 Tunnel restriction code
 Special Provisions
 Description

No components found suitable for Technical Name.

UN3082
 Environmentally hazardous substance, liquid, n.o.s.
 9
 III
 M6
 (-)
 274, 335, 601, 375
 UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III, (-)

ADN**Notes**

UN number or ID number
 UN proper shipping name
 Transport hazard class(es)
 Packing group
 Classification code
 Special Provisions
 Description
 Equipment Requirements

No components found suitable for Technical Name.

UN3082
 Environmentally hazardous substance, liquid, n.o.s.
 9
 III
 M6
 274, 335, 375, 601
 UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III
 PP

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
Feldspar	68476-25-5	Present	Active
Limestone	1317-65-3	Present	Active
Quartz	14808-60-7	Present	Active

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Calcium fluoride (CaF ₂)	7789-75-5	Present	Active
Iron oxide (Fe ₂ O ₃)	1309-37-1	Present	Active
Kaolin	1332-58-7	Present	Active
Manganese	7439-96-5	Present	Active
Sodium carboxymethyl cellulose	9004-32-4	Present	Active
Smectite-group minerals	12199-37-0	Present	Active
Aluminum oxide (Al ₂ O ₃)	1344-28-1	Present	Active
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	Present	Active
Barium oxide	1304-28-5	Present	Active
Ethanolamine	141-43-5	Present	Active

DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	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**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 %
Manganese - 7439-96-5	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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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
Feldspar 68476-25-5	X	-	X
Limestone 1317-65-3	X	X	X
Quartz 14808-60-7	X	X	X
Calcium fluoride (CaF ₂) 7789-75-5	X	-	-
Iron oxide (Fe ₂ O ₃) 1309-37-1	X	X	X
Kaolin 1332-58-7	X	X	X
Manganese 7439-96-5	X	X	X
Aluminum oxide (Al ₂ O ₃) 1344-28-1	X	X	X
Barium oxide 1304-28-5	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 1	Instability 0	Special hazards -
HMIS	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

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) (AELG(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 12-Oct-2022

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

Details of Supplier / Distributor:

Fired Up Kilns (Australia) 20 Helen Street, Heidelberg West, VIC 3081

Tel +61 (0) 3 7013 9025 Email: hello@firedupkilns.com.au

Emergency Telephone Numbers:

AUS +61(0) 3 7013 9025 Office hours.

AUSTRALIAN POISONS INFORMATION CENTRE 24 HOUR SERVICE 13 11 26

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