

30495-1466

SAFETY DATA SHEET



Revision date 02-Feb-2023

Revision Number 1

1. Identification

Product identifier

Product Name SH-46 Matcha Matte

Other means of identification

Product Code(s) FG00508

UN number or ID number UN3082

Synonyms 39710J

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
Carcinogenicity	Category 1B

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

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Hazard statements**Danger**

H317 - May cause an allergic skin reaction

H350 - May cause cancer

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

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/clothing and eye/face protection

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

Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see ? on this label)

IF ON SKIN: Wash with plenty of water and soap

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

Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available.

3. Composition/information on ingredients

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
Quartz	14808-60-7	10 - 20
Limestone	1317-65-3	10 - 20
C.I. Pigment Yellow 159	68187-15-5	3 - <5
Kaolin	1332-58-7	3 - <5
Tin oxide (SnO ₂)	18282-10-5	1 - <3
Iron oxide (Fe ₂ O ₃)	1309-37-1	1 - <3
C.I. Pigment Blue 73	68187-40-6	0.1 - 1
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

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	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	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.
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**

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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
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
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
C.I. Pigment Yellow 159 68187-15-5	STEL: 10 mg/m ³ Zr TWA: 5 mg/m ³ Zr	TWA: 5 mg/m ³ Zr (vacated) TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ Zr	IDLH: 25 mg/m ³ Zr TWA: 5 mg/m ³ except Zirconium tetrachloride Zr STEL: 10 mg/m ³ Zr
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
Tin oxide (SnO ₂) 18282-10-5	TWA: 2 mg/m ³ Sn TWA: 2 mg/m ³ Sn inhalable particulate matter excluding tin hydride and indium tin oxide	TWA: 2 mg/m ³ Sn except oxides (vacated) TWA: 2 mg/m ³ Sn except oxides	IDLH: 100 mg/m ³ Sn TWA: 2 mg/m ³ Sn
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
C.I. Pigment Blue 73 68187-40-6	TWA: 0.02 mg/m ³ Co inhalable particulate matter	-	-

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Chemical name	ACGIH
C.I. Pigment Blue 73 68187-40-6	15 µg/L - urine (Cobalt) - end of shift at end of workweek

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 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	Remarks • Method
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	No data available	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	

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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 informationInformation 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) 17,358.20 mg/kg

ATEmix (dermal) 78,359.00 mg/kg

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
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Tin oxide (SnO ₂) 18282-10-5	= 700 mg/kg (Rat)	-	> 2.04 mg/L (Rat) 4 h
Iron oxide (Fe ₂ O ₃) 1309-37-1	> 10000 mg/kg (Rat)	-	-
C.I. Pigment Blue 73 68187-40-6	-	-	= 5.3 mg/L (Rat) 4 h > 5.3 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

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Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	May cause sensitization by skin contact.
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 14808-60-7	A2	Group 1	Known	X
Iron oxide (Fe ₂ O ₃) 1309-37-1	-	Group 3	-	-
C.I. Pigment Blue 73 68187-40-6	A3	Group 2B	Reasonably Anticipated	X

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

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - 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

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	Respiratory system, Eyes, Skin, Lungs, Gastrointestinal tract (GI).
Aspiration hazard	No information available.
Other adverse effects	
Interactive effects	

12. Ecological information**Ecotoxicity**

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Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tin oxide (SnO ₂) 18282-10-5	-	LC50: >100mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	-
Iron oxide (Fe ₂ O ₃) 1309-37-1	-	LC50: =100000mg/L (96h, <i>Danio rerio</i>)	-	-
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol 4719-04-4	-	LC50: =16.07mg/L (96h, <i>Danio rerio</i>)	-	-

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

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

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Special Provisions	274, 331, 335
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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

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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
Spodumene (AlLi(SiO ₃) ₂)	1302-37-0	Present	Active
Quartz	14808-60-7	Present	Active
Limestone	1317-65-3	Present	Active
C.I. Pigment Yellow 159	68187-15-5	Present	Active
Kaolin	1332-58-7	Present	Active
Tin oxide (SnO ₂)	18282-10-5	Present	Active
Iron oxide (Fe ₂ O ₃)	1309-37-1	Present	Active
C.I. Pigment Blue 73	68187-40-6	Present	Active
Aluminum oxide (Al ₂ O ₃)	1344-28-1	Present	Active
D-gluco-Heptonic acid, monosodium salt, (2.xi.)-	31138-65-5	Present	Active
Sodium carboxymethyl cellulose	9004-32-4	Present	Active
Smectite-group minerals	12199-37-0	Present	Active
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	Present	Active
Ethanolamine	141-43-5	Present	Active

DSL/NDL

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/NDL** - 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 %
C.I. Pigment Blue 73 - 68187-40-6	0.1

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).

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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
Quartz 14808-60-7	X	X	X
Limestone 1317-65-3	X	X	X
Kaolin 1332-58-7	X	X	X
Tin oxide (SnO ₂) 18282-10-5	X	X	-
Iron oxide (Fe ₂ O ₃) 1309-37-1	X	X	X
C.I. Pigment Blue 73 68187-40-6	X	-	X
Aluminum oxide (Al ₂ O ₃) 1344-28-1	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) (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)

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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 02-Feb-2023**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