30458-5356

SAFETY DATA SHEET



Revision Number 1

Revision date 09-Nov-2022

1. Identification

Product identifier

Product Name HF-129 Baby Blue

Other means of identification

Product Code(s) RM00009

UN number or ID number UN3082

Synonyms 35506F

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

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements

Warning

Page 1 / 11

Item Numbers: 30458-5356 Page 1 of 11

Revision date 09-Nov-2022

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

Precautionary Statements - Response

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 - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Toxic 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-%
Quartz	14808-60-7	10 - 20
Zircon	14940-68-2	5 - <10
Limestone	1317-65-3	5 - <10
Zinc oxide (ZnO)	1314-13-2	3 - <5
C.I. Pigment Blue 71	68186-95-8	1 - <3
Kaolin	1332-58-7	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.

Page 2 / 11

Item Numbers: 30458-5356 Page 2 of 11

Revision date 09-Nov-2022

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

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

chemical

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.

Page 3 / 11

Item Numbers: 30458-5356

Revision date 09-Nov-2022

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	TWA: 0.025 mg/m³ respirable	TWA: 50 μg/m³	IDLH: 50 mg/m ³ respirable dust
14808-60-7	particulate matter	(vacated) TWA: 0.1 mg/m ³	TWA: 0.05 mg/m³ respirable
		respirable dust	dust
		: (250)/(%SiO2 + 5) mppcf	
		TWA respirable fraction	
		: (10)/(%SiO2 + 2) mg/m ³	
		TWA respirable fraction	
Zircon	STEL: 10 mg/m³ Zr	TWA: 5 mg/m ³ Zr	IDLH: 25 mg/m³ Zr
14940-68-2	TWA: 5 mg/m³ Zr	(vacated) TWA: 5 mg/m ³ Zr	TWA: 5 mg/m³ except Zirconium
		(vacated) STEL: 10 mg/m³ Zr	tetrachloride Zr
			STEL: 10 mg/m³ Zr
Limestone	-	TWA: 15 mg/m³ total dust	TWA: 10 mg/m³ total dust
1317-65-3		TWA: 5 mg/m³ respirable	TWA: 5 mg/m ³ respirable dust
		fraction	
		(vacated) TWA: 15 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction	
Zinc oxide (ZnO)	STEL: 10 mg/m³ respirable	TWA: 5 mg/m³ fume	IDLH: 500 mg/m ³
1314-13-2	particulate matter	TWA: 15 mg/m³ total dust	Ceiling: 15 mg/m³ dust
	TWA: 2 mg/m³ respirable	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ dust and fume
	particulate matter	fraction	STEL: 10 mg/m³ fume
		(vacated) TWA: 5 mg/m³ fume	
		(vacated) TWA: 10 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction	
		(vacated) STEL: 10 mg/m ³	
0.1.5:	0751 40 / 35	fume	15111.05 / 3.7
C.I. Pigment Blue 71	STEL: 10 mg/m³ Zr	TWA: 5 mg/m³ Zr	IDLH: 25 mg/m³ Zr
68186-95-8	TWA: 5 mg/m³ Zr	(vacated) TWA: 5 mg/m³ Zr	Ceiling: 0.05 mg/m³ V dust and
		(vacated) STEL: 10 mg/m³ Zr	fume 15 min
			TWA: 5 mg/m³ except Zirconium
			tetrachloride Zr
I/ a a line	TIMA O manufacili de la facilitati	TMA 45 may/m3 total dest	STEL: 10 mg/m³ Zr
Kaolin	TWA: 2 mg/m³ particulate	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
1332-58-7	matter containing no asbestos and <1% crystalline silica,	TWA: 5 mg/m³ respirable fraction	Tivva. 5 mg/m² Tespirable dust
	respirable particulate matter	(vacated) TWA: 10 mg/m³ total dust	
		(vacated) TWA: 5 mg/m ³	
		, , ,	
		respirable fraction	

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

4/11

Item Numbers: 30458-5356 Page 4 of 11

Page

Revision date 09-Nov-2022

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.

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 Appearance Liquid

Color

Odor

Odor threshold

<u>Values</u> Remarks • Method **Property** No data available None known pН Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known No data available None known Flash point **Evaporation rate** No data available None known **Flammability** No data available None known None known

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 Relative density No data available None known No data available Water solubility 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

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.

Page 5/11

Item Numbers: 30458-5356 Page 5 of 11

Revision date 09-Nov-2022

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) 38,378.80 mg/kg 18,788.40 mg/kg ATEmix (dermal) 60.40 mg/l ATEmix (inhalation-dust/mist)

Component Information

Component information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide (ZnO)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m³ (Rat) 4 h
1314-13-2			
C.I. Pigment Blue 71	-	-	> 5.1 mg/L (Rat) 4 h
68186-95-8			
Kaolin	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
1332-58-7			
1,3,5-Triazine-1,3,5(2H,4H,6H)-t	= 763 mg/kg (Rat)	> 4000 mg/kg (Rat)	= 0.4 mg/L (Rat) 4 h
riethanol			= 0.338 mg/L (Rat) 4 h
4719-04-4			

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 sensitization by skin contact.

No information available. Germ cell mutagenicity

Carcinogenicity No information available.

6/11

Revision date 09-Nov-2022

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

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to 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 Respiratory system, Eyes, Skin, Lungs, 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
Zinc oxide (ZnO) 1314-13-2	-	LC50: =1.55mg/L (96h, Danio rerio)	-	-
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

Item Numbers: 30458-5356 Page 7 of 11

Revision date 09-Nov-2022

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

UN number or ID number UN3082 Environmentally hazardous substance, liquid, n.o.s.

Proper shipping name

Ш

Transport hazard class(es) **Packing group**

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

Special Provisions DOT Marine Pollutant

Marine pollutant

Zinc oxide (ZnO)

Description

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III,

Marine pollutant

Emergency Response Guide

Number

171

TDG

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es) Packing group Special Provisions Ш 16, 99

Marine pollutant name Zinc oxide (ZnO).

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III Description

MEX

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es) Packing group Ш

Technical Name Zinc oxide (ZnO)

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III

274, 331, 335 **Special Provisions**

ICAO (air)

UN number or ID number UN3082

Environmentally hazardous substance, liquid, n.o.s. **UN proper shipping name**

Transport hazard class(es) Packing group

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III Description

Special Provisions A97, A158, A197, A215

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es) Packing group

Ш

Technical Name Zinc oxide (ZnO)

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III

Special Provisions A97, A158, A197

ERG Code 9L

IMDG

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

> Page 8/11

Page 8 of 11 Item Numbers: 30458-5356

Revision date 09-Nov-2022

Transport hazard class(es)
Packing group
EmS-No
Special Provisions
Marine pollutant
Marine Pollutant
P
Marine Pollutant
Jinc oxide (ZnO)

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III,

Marine pollutant

RID

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es) 9
Packing group III
Classification code M6

Special Provisions 274, 335, 375, 601

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III

ADR

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es)

Packing group

Classification code

Tunnel restriction code

(-)

Special Provisions 274, 335, 601, 375

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III, (-)

ADN

UN number or ID number UN3082

UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es) 9
Packing group III
Classification code M6

Special Provisions 274, 335, 375, 601

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide (ZnO)), 9, III

Equipment Requirements 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
Quartz	14808-60-7	Present	Active
Zircon	14940-68-2	Present	Active
Limestone	1317-65-3	Present	Active
Zinc oxide (ZnO)	1314-13-2	Present	Active
C.I. Pigment Blue 71	68186-95-8	Present	Active
Kaolin	1332-58-7	Present	Active
Silicic acid (H2SiO3), aluminum salt (3:2)	14504-95-1	Present	Active
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

Revision date 09-Nov-2022

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. 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

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 %
Zinc oxide (ZnO) - 1314-13-2	1.0
C.I. Pigment Blue 71 - 68186-95-8	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
Zinc oxide (ZnO)	-	X	-	-
1314-13-2				

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	=	-	X
7732-18-5			
Feldspar	X	-	X
68476-25-5			
Quartz	X	X	X

Page 10 / 11

Item Numbers: 30458-5356 Page 10 of 11

Revision date 09-Nov-2022

14808-60-7			
Limestone 1317-65-3	X	X	Х
Zinc oxide (ZnO) 1314-13-2	X	X	Х
C.I. Pigment Blue 71 68186-95-8	X	-	-
Kaolin 1332-58-7	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

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

Legend Section 8: Exposure controls/personal protection

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

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 09-Nov-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