SAFETY DATA SHEET



Revision date 15-May-2024 Revision Number 1

1. Identification

Product identifier

Product Name CR-51 Speckled Pink

Other means of identification

Product Code(s) FG00887

Synonyms 38032N

Recommended use of the chemical and restrictions on use

Recommended useUse product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch 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 1A*** |
| Specific target organ toxicity (repeated exposure) | Category 2*** |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements

Danger***

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

Wear protective gloves/clothing and eye/face protection

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 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 | 1 - <3 |
| Frits, chemicals*** | 65997-18-4 | 1 - <3 |
| Zircon, cadmium red*** | 72828-62-7 | 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

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 contactWash 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

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.***

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*** | TWA: 0.025 mg/m ³ 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/m ³ respirable |
| | | respirable dust | dust |
| | | : (250)/(%SiO2 + 5) mppcf | |
| | | TWA respirable fraction | |
| | | : (10)/(%SiO2 + 2) mg/m ³ | |
| | | TWA respirable fraction | |
| Frits, chemicals*** | STEL: 10 mg/m ³ Zr | TWA: 10 µg/m³ As | IDLH: 5 mg/m³ 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/m³ 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/m³ 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/m³ Zr | IDLH: 500 mg/m³ Mn |
| | TWA: 1 mg/m ³ Cu dust and mist | (vacated) Ceiling: 5 mg/m ³ | IDLH: 25 mg/m³ Zr |
| | TWA: 3 mg/m³ W respirable | Ceiling: 5 mg/m ³ Mn | IDLH: 100 mg/m ³ Pb |
| | particulate matter in the absence | | IDLH: 10 mg/m³ Ni |
| | of Cobalt | | Ceiling: 0.002 mg/m³ As 15 min |
| | TWA: 5 mg/m³ 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/m³ Mn |
| | | | TWA: 5 mg/m³ except Zirconium |
| | | | tetrachloride Zr |
| | | | TWA: 0.050 mg/m ³ Pb |
| | | | TWA: 0.015 mg/m³ except |
| | | | Nickel carbonyl Ni |
| | | | STEL: 3 mg/m³ Mn |
| | | | STEL: 10 mg/m ³ Zr |
| Zircon, cadmium red*** | STEL: 10 mg/m³ Zr | TWA: 0.2 mg/m ³ Se | IDLH: 9 mg/m ³ Cd dust and |
| 72828-62-7 | TWA: 0.01 mg/m ³ Cd | TWA: 5 mg/m ³ Zr | fume |
| | TWA: 0.002 mg/m ³ Cd | (vacated) TWA: 0.2 mg/m ³ Se | IDLH: 1 mg/m³ Se |
| | respirable particulate matter | (vacated) TWA: 5 mg/m ³ Zr | IDLH: 25 mg/m³ Zr |

| TWA: 0.2 mg/m³ Se TWA: 5 mg/m³ Zr | (vacated) STEL: 10 mg/m³ Zr | TWA: 0.2 mg/m³ except Selenium hexafluoride Se TWA: 5 mg/m³ except Zirconium tetrachloride Zr STEL: 10 mg/m³ 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 |
| Zircon, cadmium red*** | 5 μg/g creatinine - urine (Cadmium) - not critical |
| 72828-62-7 | 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 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 Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

ColorUse product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use

Odor
Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

Odor threshold Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

Property Values Remarks • Method

No data available None known No data available None known Melting point / freezing point Initial boiling point and boiling rangeNo 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 No data available Relative density None known No data available Water solubility None known No data available Solubility(ies) None known None known **Partition coefficient** No data available None known No data available **Autoignition temperature** None known **Decomposition temperature** No data available None known

Kinematic viscosityNo data availableNone knownDynamic viscosityNo data availableNone known

Other information

Explosive properties No information available Oxidizing properties No information available

Softening point Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

Molecular weight

Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

VOC Content (%) No information available

Liquid Density Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

Bulk densityUse product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

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 materialsNone 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.

Eve 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) 25,814.20*** mg/kg***
ATEmix (dermal) 15,259.50*** mg/kg***
ATEmix (inhalation-gas) 99,999.00*** ppm***
ATEmix (inhalation-dust/mist) 99,999.00*** mg/l***
ATEmix (inhalation-vapor) 99,999.00*** mg/l***

Component Information

| _ | | | | |
|---|---------------------------------|--------------------|--------------------|-----------------------|
| | Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
| | Frits, chemicals*** | > 2000 mg/kg (Rat) | > 2000 mg/kg (Rat) | - |
| | 65997-18-4 | | | |
| 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/irritationNo 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 2A | Reasonably Anticipated | |
| | A2 | Group 2B*** | | |
| Zircon, cadmium red*** | A2 | Group 1 | Known | X |
| 72828-62-7 | | Group 3 | | |

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***

Reproductive toxicity No information available.

STOT - single exposure No information available.

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

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

nervous system, Blood, Central Vascular System (CVS), Nasal Cavities, Lymphatic System,

prostate.***

Aspiration hazard No information available.

Other adverse effects

Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

Interactive effects

Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

12. Ecological information

Ecotoxicity ***

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

purposes. This product is intended for small batch use.

Bioaccumulation ***

Component Information ***

| Chemical name | Partition coefficient |
|--|-----------------------|
| 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol*** | <-2.3 |
| 4719-04-4 | -2 |
| | -1.3*** |

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products

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

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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

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 |
| Silicic acid, aluminum sodium salt | 1344-00-9 | Present | Active |
| Wollastonite (Ca(SiO3)) | 13983-17-0 | Present | Active |
| Zircon | 14940-68-2 | Present | Active |
| Kaolin | 1332-58-7 | Present | Active |
| Quartz*** | 14808-60-7 | Present | Active |
| Frits, chemicals*** | 65997-18-4 | Present | Active |
| Aluminum oxide (Al2O3) | 1344-28-1 | Present | Active |
| Sodium carboxymethyl cellulose | 9004-32-4 | Present | Active |
| Polyphosphoric acids, sodium salts | 68915-31-1 | Present | Active |
| Zircon, cadmium red*** | 72828-62-7 | Present | Active |
| D-gluco-Heptonic acid, monosodium salt, (2.xi.)- | 31138-65-5 | Present | Active |
| 1,3,5-Triazine-1,3,5(2H,4H,6H)-trietha nol*** | 4719-04-4 | Present | Active |
| Titanium dioxide | 13463-67-7 | Present | Active |
| Mica | 12001-26-2 | - | Unknown * |
| Silica, cristobalite | 14464-46-1 | 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 Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **EINECS/ELINCS ENCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **IECSC** Contact supplier for inventory compliance status. **KECL 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 % |
|-------------------------------------|-------------------------------|
| Frits, chemicals*** - 65997-18-4 | 0.1 |
| | 1.0 |
| Zircon, cadmium red*** - 72828-62-7 | 0.1 |
| | 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 | CWA - Toxic Pollutants | CWA - Priority Pollutants | |
|--------------------------------------|------------------|------------------------|---------------------------|------------|
| | Quantities | | | Substances |
| Frits, chemicals*** 65997-18-4 | - | X | - | - |
| Zircon, cadmium red*** 72828-62-7 | - | 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 | - | - | X |
| 7732-18-5 | | | |
| Wollastonite (Ca(SiO3)) | X | X | Х |
| 13983-17-0 | | | |
| Kaolin | X | X | X |
| 1332-58-7 | | | |
| Quartz*** | X | X | X |
| 14808-60-7 | | | |

| Frits, chemicals*** 65997-18-4 | X | - | X |
|--------------------------------------|---|------|---|
| Aluminum oxide (Al2O3) 1344-28-1 | X | X | X |
| Zircon, cadmium red*** 72828-62-7 | X | - | X |
| Titanium dioxide 13463-67-7 | X | X | X |
| Mica 12001-26-2 | X | X*** | X |
| Silica, cristobalite 14464-46-1 | X | X | X |
| Ethanolamine 141-43-5 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPAHealth hazards2***Flammability0Instability0Special hazards-HMISHealth hazards2 ****Flammability0Physical hazards0Personal protectionX

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 15-May-2024

Revision Note Use product for its intended purpose as a glaze product intended for arts and crafts

purposes. This product is intended for small batch use.

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

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