

Section 1 Chemical Product and Company Identification

Product identifiers

Product name: 2-AB220 Freeman Classic Clay Tan - Firm

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Modeling clay used in the art bronze industry

Uses advised against: None known

Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011

Telephone (440) 934-1902

24 Hour emergency telephone number: CHEMTREC (800) 424-9300

HMIS	
H	0
F	1
R	0
PPE Sec.8.	

Section 2 Hazards Identification

GHS Classification

This product is not a hazardous as defined in 29 CFR 1910.1200 (OSHA HCS)

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

None known

Section 3 Composition/Information on Ingredients

Mixture

Proprietary mixture of non-sulfur fillers, waxes, resins, polymers, and pigments

Quartz and titanium dioxide are naturally occurring components of an ingredient used in this preparation. In this product the quartz and titanium dioxide are not airborne, unbound particles of respirable size and do not present a health hazard.

Section 4 First-Aid Measures

Description of first aid measures

If inhaled

Not anticipated to be an inhalation risk. Avoid exposure to fumes if the product is overheated/molten. Move to fresh air. Get medical advice/attention if you feel unwell.

In case of skin contact

Modeling clay is normally used with no skin protection. If irritation appears, it may be an allergic reaction. Discontinue use and seek medical attention if symptoms persist.

In case of eye contact

Immediately flush eyes thoroughly with water for at least 15 minutes.

If irritation persists, get medical assistance

If swallowed

Do not induce vomiting. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Contact with molten product may cause severe burns to skin and eyes. Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from skin is not necessary

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 Fire-Fighting Measures

Suitable extinguishing media

Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as it may spread the fire.

Special hazards arising from the mixture

Watch footing on floors and stairs because of possible spreading of molten material. Material can create slippery conditions. In case of fire hazardous decomposition products may be produced such as: Carbon dioxide, carbon monoxide and complex hydrocarbons.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.
 Do not breathe fumes. Move containers away from fire area if safe to do so.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors. Eliminate all sources of ignition.
 For personal protection see section 8.

Methods and materials for containment and cleaning up

Sweep up the spilled material. If it is clean, place in a suitable container for use. If it is contaminated, collect in a suitable container for disposal. Note that pelletized product can travel some distance when spilled. Prevent the spillage entering drainage channels.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Section 7 Handling and Storage

Precautions for safe handling

Use only in a well ventilated area and avoid breathing fumes. Avoid eye contact. Avoid skin and eye contact with molten material. Do not eat, drink or smoke while using this product.

Conditions for safe storage, including any incompatibilities

Keep product closed in its original packaging until used. Keep dry; avoid temperature extremes (keep between 5 & 30°C / 41 & 86°F) and direct sunlight. Keep away from sources of ignition, oxidizing agents and other chemicals.

Specific end use(s)

Avoid heating above 100°C (212°F).

Section 8 Exposure Controls/Personal Protection

Occupational exposure limits

Substance	Long term exposure limit (8 hr. TWA reference period)	Reference
Paraffin Wax Fume CAS # 8002-74-2	2 mg/m ³	USA - NIOSH

Appropriate engineering controls

Good general ventilation should be used. If applicable, use local exhaust ventilation or other engineering controls to maintain airborne levels of fume or vapor (molten product) below recommended exposure limits.

Section 8 Exposure Controls/Personal Protection continued

Personal protective equipment

Eye/face protection

With product at ambient temperatures, use safety glasses.

Hand Protection

Wash hands after use

Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations are anticipated, a NIOSH-approved respirator with organic vapor cartridge and full face piece should be used.

General Hygienic Practices

Avoid contamination of food, beverages, or smoking materials.

Wash thoroughly after handling, and before eating, drinking or smoking.

Section 9 Physical and Chemical Properties

Appearance	Waxy brown solid
Odor	Characteristic
Odor Threshold	No data available
pH	No data available
Freezing point	No data available
Initial boiling point & boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor density	No data available
Relative density	No data available
Water Solubility	Soluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Viscosity	Solid at room temperature

Section 10 Stability and Reactivity

Reactivity	None known
Stability	Stable as supplied
Possibility of hazardous reactions	None known
Conditions to avoid	Avoid molten state. Excessive thermal exposure will oxidize the product. Generation of gas during decomposition can cause pressure in closed systems. Avoid static discharge.
Incompatible materials	Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products	Decomposition products depend on air supply and the presence of other materials. They can include and are not limited to: carbon dioxide, carbon monoxide, alcohols, ethers, aldehydes and carboxylic acids.

Section 11 Toxicological Information

Information on likely routes

Inhalation	None known
Skin contact	No adverse effects due to skin contact are expected. Molten product will cause thermal burns on contact with the skin.
Eye contact	Molten product will cause thermal burns on contact with the eyes. Solid product may produce irritation upon contact with the eye.
Ingestion	No data available
Skin corrosion/irritation	No data available on product.
Serious eye damage/irritation	No data available on product.
Respiratory or skin sensitisation	No data available on product.
Germ cell mutagenicity	No data available on product.
Carcinogenicity	No data available on product. Long term exposure to crystalline silica can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure. This product does not contain respirable crystalline silica.
Toxicity for reproduction	No data available on product.
STOT - repeated exposure	No data available on product.
Aspiration hazard	No data available on product.

Section 12 Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT & vPvB assessment	No data available

Users of the product should ensure that it is stored, handled and disposed of in such a manner that it is not released to the environment. Spent material from the flash fire furnace or autoclave must therefore be stored in such a manner as to prevent environmental contamination, either by solid product or rain water run-off from it.

Section 13 Disposal Considerations

Contact a licensed contractor for detailed recommendations. Dispose of in accordance with all applicable Federal, state, and local regulations.

Section 14 Transport Information

DOT	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

Section 15 Regulatory Information

US Federal Regulations

TSCA: All components of this product are listed or exempted from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

EPCRA section 302: This material contains no extremely hazardous substances

SARA 311/312: None

SARA 313: Not applicable

US State Regulations

California Proposition 65: None

This product contains silica, crystalline and titanium dioxide which are neither airborne, nor unbound particles of respirable size.

Section 16 Other Information

Disclaimer

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