



SAFETY DATA SHEET (SDS)

Section 1 - Identification

Product Name	GRUENE BUTTER
Common Names	Pottery Clay, Modeling Clay, Moist Clay
Company/ Manufacturer	Armadillo Clay and Supplies 3307 E 4 th St Austin, TX 78702 Ph (512) 385-7311 fax (512) 385-1152
Emergency Number	911
Product Use	Non-exhaustive list: pottery, sculpture, ceramic building materials
Restrictions on Use	None applicable

Section 2 - Hazardous Identification

Classification of the substance or mixture

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

Label elements

Hazard statements NC	Not Classified
Other hazards	None present.

Section 3 – Composition / Information on Ingredients

Mixtures	<i>Mixture – A trade secret claim is made for this item.</i>
Composition comments	

Section 4 – First Aid Measures

Description of first aid measures

Inhalation	Unlikely route of exposure as the product does not contain volatile substances. Move victim to fresh air in well ventilated area. If coughing or irritation persists, seek medical attention.
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- Ingestion** Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if any discomfort continues.
- Skin Contact** Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.
- Eye contact** Rinse with water. If irritation persists, seek medical attention.

Most important symptoms and effects, both acute and delayed

- Inhalation** Read Section 2 for any specific precautions associated with this product. In general, breathing any type of dust/mist can and may aggravate irritation of the throat and lungs.
- Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Large quantities ingested may cause gastrointestinal irritation.
- Skin contact** Read Section 2 for any specific precautions associated with the use of this product. In general, most ceramic glazes, clays and special products will tend to have a drying effect on the skin and may cause some sensitivity to users with sensitive skin.
- Eye contact** Read Section 2 for any specific precautions associated with the use of this product. In general, most ceramic and special products contain materials that maybe abrasive to eyes. Keeping materials from contacting the eyes is prudent. If contact does occur, flush with clean water, do not rub.

Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

Section 5 – Fire Fighting Measures

General Fire Hazards Clay mixture in dry or moist form is not flammable and does not support fire. The paper bags or plastic bags and cardboard boxes containing the mixture are flammable.

Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards The product is not believed to present a hazard due to its physical nature.

Advice for firefighters

Clay mixture and packaging can become slippery when wet. Use protective equipment appropriate for surrounding materials

Section 6 – Accidental Release Measures

Clean-up Methods	If appropriate, use gentle water spray to wet down and minimize dust generation.
Personal Precautions and Personal Protective Equipment	Wear appropriate protective equipment and clothing during clean-up. When dry sweeping use NIOSH approved respirator when dust levels exceed exposure limits.
Environmental Precautions	Clay is a natural mineral product mixture and will not cause adverse effects to the water system other than turbidity from suspended particles.
Emergency procedures & Methods of Containment	There are no emergency procedures required for this mixture. Place dry clay dust in a sealed container for re-use or proper disposal.

Section 7 – Handling and Storage

Precautions for safe handling	Use proper lifting techniques to avoid physical injury.
Recommendations for safe storage	No special storage considerations. Do not store moist clay mixture below freezing point (< 0 °C or < 32°F).

Section 8 – Exposure Counts / Personal Protection

Ingredient comments	Only ingredients listed in Section 3 are notifiable for this product. If none are shown, then all ingredients are exempt.
<u>Exposure controls</u> Appropriate engineering Controls	No specific ventilations requirements unless the “FAN” pictogram is shown above or specified in Section 2.
Eye/face protection	No specific eye protection required unless the "EYE PROTECTION" pictogram is shown above or specified in Section 2.
Hand protection	No specific hand protection required unless the “HAND PROTECTION” pictogram is shown above or specified in Section 2.

Hygiene measures Using good personal hygiene practices is always appropriate. Keeping a clean work space, cleaning up properly when done, and not eating, drinking or smoking when using this product.

Respiratory protection No specific respiratory protection required unless the “RESPIRATOR” pictogram is shown above or specified in Section 2. Using the appropriate certified protection for the operation is important if required.

Section 9 – Physical and Chemical Properties

Appearance	Lump/dry powder or moist mud brick	Decomposition temperature	Not Applicable
Color	Grey, white	Viscosity	Not Applicable
Physical state	Solid	Flashpoint	Not Applicable
pH	6 – 8	Boiling Point	Not Applicable
Odor	Earthy odor	Flammability	Not Applicable
Odor threshold	Not Applicable	Vapor Pressure	Not Applicable
Melting Point	> 1200 °C (>2150°F)	(mm HG)	
Freezing Point	< 0 °C (<32°F)	Vapor Density	Not Applicable
Relative density /Specific Gravity	~2.6 gm/cc	Partition coefficient	Not Applicable
Solubility in water at 100 C	None	Auto-ignition temp	Not Applicable

Section 10 – Stability and Reactivity

Reactivity No dangerous reactions are known under normal conditions of use

Chemical Stability Stable at standard temperature and pressure. No stabilizers required to maintain chemical stability. Safety issues - Mold may form in plastic bag (moist clay mixture) after several months of shelf life.

Possibility of Hazardous Reactions and Conditions to Avoid None known

Incompatibility / Hazardous decomposition products None known

Section 11 – Toxicological Information

Primary Route of Exposure:	Skin, Eye Contact, Inhalation and Ingestion
Specific Organ Toxicity - Single Exposure	Target organs include ears, skin, respiratory system, and gastrointestinal tract.
Specific Organ Toxicity – Repeated Exposure	Causes damage to eyes, skin, respiratory system, and gastrointestinal tract through prolonged or repeated exposure.
Acute Short-Term Exposure Effects	May cause eye irritation, skin irritation, respiratory tract irritation, and gastrointestinal tract irritation. Inhalation of high concentrations of dry clay dust may cause mechanical irritation and discomfort. Long term exposure may cause chronic effects.
Chronic Long Term Exposure Effects	Silica has been classified by OSHA as a human lung carcinogen. Repeated or prolonged exposure of respirable crystalline silica dust may cause lung damage in the form of silicosis. Effects of silicosis include bronchitis/chronic obstructive pulmonary disorder, increased susceptibility to tuberculosis, scleroderma (a disease affecting skin, blood vessels, joints and skeletal muscles), and possible renal disease. Acute silicosis can be fatal.
Related Symptoms	Symptoms will include shortness of breath, fever, fatigue, loss of appetite, chest pain, dry non-productive cough.
Medical Conditions Aggravated by Exposure:	Individuals with pre-existing allergies, eye disorders, skin disorders, respiratory disorders and/or gastrointestinal disorders may have increased susceptibility to the effects of exposure.

Section 12 – Ecological Information (non-mandatory)

Ecotoxicity	None Known
Biochemical oxygen demand (BOD5)	None Known
Chemical oxygen demand (COD)	None Known
Products of Biodegradation	None Known
Toxicity of the products of Biodegradation	None Known
Bioaccumulation Potential	None Known
Potential to move from soil to groundwater	None Known
Other adverse effects	None Known

Section 13 – Disposal Configurations (non-mandatory)

Personal Protection	Refer to section 8 for proper PPE when disposing of waste material.
Appropriate disposal containers	Standard waste disposal containers - no special requirements.
Appropriate disposal Methods	Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements.
Physical and chemical properties that may affect disposal	Dry clay dust should be placed in a sealed container or in a manner that reduces or eliminates the release of the product. Moist clay has no special requirements.
Sewage disposal	Do not dispose of into sinks or toilets. Never dispose of this product into a sewer system.
Special precautions for Landfills or incineration activities	There are no special precautions for disposal in a landfill. This product is non-combustible and is not suitable for incineration.

Section 14 – Transportation Information (non-mandatory)

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
UN Number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es)	No transport warning sign required.
Packing group	Not applicable.
Environmental hazards	Please refer to Section 2 for any environmental hazards associated with this product. If H411/H412 warnings are shown then please verify packaging and labeling requirements for larger volumes.
Environmentally Hazardous Substance	
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

Section 15 – Transportation Information (non-mandatory)

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US – TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export

All the ingredients are listed or exempt.

Notification

Section 16 – Other Information (non-mandatory)

General information

The following are the top 5 materials by weight listed for New Jersey (if applicable):- Hydrated Aluminum Silicate1332-58-7, Kaolin Clay1332-58-7, Water7732-18-5, Feldspar68476-25-5 Crystalline Silica14808-60-7

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Revision 1

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.