

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product identifier:

Product trade name: Sculpey® Thinner & Clay Softener
Substance name: Acetyltri-n-butyl citrate, ATBC
CAS #: 77-90-7
Company product number: ASSD

Recommended use of the chemical and restrictions on use:

Product use: Plasticizer; Liquid material used to soften firm polymer clay
Restrictions on use: Not for use by children.

Details of the supplier of the safety data sheet:

Company Name: Polyform Products Company, Inc.
Address: 1901 Estes Avenue
 Elk Grove Village, IL 60007 USA
Telephone: 1-847-427-0020
Website: www.sculpey.com
Email: info@polyformproducts.com
Contact Person: Regulatory Dept

Emergency telephone number:

For transportation emergencies only, call: 1-847-427-0020
 For health emergencies, call the Poison Control center: 1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Information in accordance with 29 CFR 1910.1200 (Hazcom 2012) in effect May 25, 2012:

Classification of the chemical in accordance with 29 CFR 1910.1200(d):

Classification of the substance or mixture:

Classification of the chemical in accordance with 29 CFR 1910.1200(d):

Not classified as hazard under any GHS hazard class.

Label Elements in accordance to 29 CFR 1910.1200(f):

Hazard pictograms(s): Not applicable
Signal word: Not applicable
Hazard statements: Not applicable
Precautionary statements: Not required as this product is not classified as hazardous.
 Wash hands thoroughly after handling with soap and water. If swallowed, in eyes, on skin or inhaled call a poison control center or doctor/physician if you feel unwell. If inhaled, remove person to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store product in a well-ventilated place. Keep container tightly closed.

Supplemental information: No additional information

Other hazards:

Other hazards: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure Substance

<u>Components</u>	<u>CAS number</u>	<u>EC Number</u>	<u>Weight %</u>
Acetyltri-n-butyl citrate	77-90-71	201-067-0	100%

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

Skin contact:	Immediately flush with water for 15 minutes. Wash the contaminated skin with soap and water. If irritation develops, call a physician.
Eye contact:	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Inhalation:	If symptoms are experienced, remove affected person to fresh air and obtain medical attention.
Ingestion:	If swallowed, contact physician or poison control center immediately

Most important symptoms and effects, both acute and delayed:

Acute:	Contact with the liquid may cause mild irritation to skin, eyes and mucous membranes. This material is not expected to be toxic by inhalation, ingestion or dermal exposure. Although it has been observed that health effects related to this substance are minimal, as with any chemical, use appropriate precautions during handling.
Delayed effects:	None known.

Indication of any immediate medical attention and special treatment needed:

Note to physician:	No specific indications. Treatment should be based on the judgment of the physician in response to the reactions of the patient.
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SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:

Appropriate extinguishing media:	Use water spray, foam, carbon dioxide, dry chemical.
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Special hazards arising from the substance or mixture:

Hazardous products of combustion:	As with other organic materials, combustion will produce carbon monoxide and carbon dioxide.
Potential for dust explosion:	Not applicable.
Special flammability hazards:	Not applicable.

Advice for fire fighters:

Basic fire fighting guidance:	Wear self-contained breathing apparatus and protective clothing. Normal firefighting procedures may be used.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Evacuation procedures:	Not applicable
Special instructions:	See section 8 for personal protective equipment recommendations. Avoid contact with eyes, skin and clothing. Remove all contaminated clothing to prevent further absorption. Use the first aid procedures in section 4. Wash thoroughly after clean up.

Environmental Precautions: Contain spill. Prevent releases to soil, drains, sewers, and waterways.

Methods and material for containment and cleaning up:

Soak up with inert absorbent material and dispose with domestic refuse in accordance with applicable federal, state or local laws. Clean contaminated surface thoroughly with soap and water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

Precautions for unique hazards: Not applicable.

Practices to minimize risks: Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains.

Special handling equipment: Not applicable.

Conditions for safe storage, including any incompatibilities:

Storage precautions & Recommendations: This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container closed when not in use.

Dangerous incompatibility Reactions: Oxidizing materials

Incompatibilities with materials of construction: None known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Occupational exposure limit: Not established

Air monitoring method: No data available.

Exposure Controls:

Other engineering controls: All operations should be conducted in well-ventilated conditions. Provide adequate ventilation.

Personal protective equipment:

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Choose glove to protect hands against chemicals depending on the concentration and quantity of the substance.

Eye protection: Safety glasses to protect eyes against chemicals depending on the concentration and quantity of the substance.

Skin and body protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Remove and wash contaminated clothing before re-use.

Protective measures: Wear suitable protective equipment. When using, do not eat, drink or smoke.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance: Oily liquid
Color: Colorless, light yellow, transparent
Odor: Characteristic
pH: No data available.

Vapor Pressure:	0.8 mmHg @ 170°C
Specific Gravity:	1.048 @ 25°C
Boiling Point:	327°C (621°F)
Solubility in water:	< 0.1%
Viscosity:	53.7 cps @ 25°C
Flash Point:	400°F (204°C) TCC
Molecular Weight:	402.50
Evaporation Rate:	< 1 (Butyl acetate = 1)
Vapor Density:	14.1 (air = 1)
Freezing/Melting Point:	-59°C (-75°F)
Octanol/Water Coefficient:	Log Kow = 4.92
Odor Threshold:	No data available.
Auto ignition Temperature:	No data available.
Flammable Limits:	No data available.
Flammability (solid, gas):	Not applicable.
Explosive Properties:	Not explosive.
Decomposition Temperature:	No data available.
Oxidizing Properties:	Not an oxidizer.

SECTION 10: STABILITY AND REACTIVITY

<u>Reactivity:</u>	Not classified as dangerously reactive.
<u>Chemical stability:</u>	Stable
<u>Possibility of hazardous reactions:</u>	Will not occur.
<u>Conditions to avoid:</u>	Avoid static discharge and uncontrolled exposure to high temperatures.
<u>Incompatible materials:</u>	Oxidizing materials
<u>Hazardous decomposition products:</u>	Decomposition products may include carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

<u>Information on toxicological effects:</u>	
Skin irritation:	Non-irritating to both intact and abraded skin.
Eye contact:	Slight to moderate erythema observed in contact with material over 20 minutes to 3 hours.
Skin sensitization:	Not a sensitizer.
Mutagenicity:	Not mutagenic.
Reproductive/Developmental Toxicity:	No evidence of reproductive or developmental toxicity.
Carcinogen listing:	NTP: No IARC: No OSHA: No ACGIH: No
Target organs:	None known.
Aspiration hazard:	No data available.
Primary route(s) of exposure:	Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure.

Most important symptoms and effects, both acute and delayed: Contact with citrate esters may cause mild irritation to skin, eyes and mucous membranes. This material is not expected to be toxic by inhalation, ingestion or dermal exposure. Although it has been observed that health effects related to this substance are minimal, as with any chemical, use appropriate precautions during handling. Delayed effects: None known.

Additive or synergistic effects: None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Data available in the literature.

Persistence and degradability: Material is inherently biodegradable.

Bioaccumulative potential: Bioconcentration is not expected to occur.

Results of PBT and vPvB assessment: This substance is not a PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect and reclaim or dispose in sealed container. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds or waterways with product. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Waste from Residues/Unused Products: Dispose in accordance with all applicable regulations.

Contaminated Packaging: Dispose in accordance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: N/A **UN Proper Shipping Name:** Not Regulated

Transport Hazard Class(es):

US DOT (49 CFR 172.101): Not regulated as a dangerous good.

Canada TDG Hazard Class: N/A **IMDG Code (ocean) Hazard Class:** N/A

Europe ADR/RID Hazard Class: N/A **ICAO/IATA (air) Hazard Class:** N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

SECTION 15: REGULATORY INFORMATION

Material is non-hazardous. This product has been reviewed by a toxicologist and carries the AP seal. The labeling conforms to ASTM D 4236.

Safety, health and environmental regulations/legislation specific for the substance:

SARA 311/312 Hazards: No SARA hazards

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

REACH: On the inventory, or in compliance with the inventory
EINECS: On the inventory, or in compliance with the inventory
TSCA: On TSCA Inventory
DSL: All components of this product are on the Canadian DSL.

HMIS Rating: Health=0 Flammability=1 Reactivity=0

NFPA Rating: Health=0 Flammability=1 Reactivity=0

SECTION 16: OTHER INFORMATION

Issue Date: 05/27/2020

Version #: 2

Supersedes Version 1 – 10/28/2015

Disclaimer:

The information contained herein is provided in good faith and is subject to change without notice. It is believed to be accurate and represents the best information currently available to us. However, we make no warranty, fitness for a particular purpose or of any other type, expressed or implied, with respect to products described or data or information provided. We assume no liability resulting from the use of such products, data or information. Users should determine the suitability of the information for their particular purpose. The user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material and must be familiar with and follow generally accepted safe handling procedures.