

# SAFETY DATA SHEET

## 1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: **2041-12K**  
Nomenclature: **Bitter (Denatonium Benzoate) Fit Test Solution #2**  
**Recommended Use of the Chemical & Restrictions on Use:**  
Uses: Laboratory chemicals, Manufacture of substances  
Company Name: Allegro Industries  
Address: 1360 Shiloh Church Rd  
Piedmont, SC 29673  
864-846-8740  
Chemtrac: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
For the full text of the H-Statements mentioned in this Section, see Section 16.

### GHS Label elements, including precautionary statements

Pictogram Does not apply

Signal word Does not apply

### Hazard statement(s)

None

### Precautionary statement(s)

None

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

## 3. COMPOSITION

### Substances

Component	CAS-NO	Percent
Denatonium benzoate	3734-33-6	<.2%
Sodium Chloride	7647-14-5	4.8%
Water	7732-18-5	95%

### Hazardous Components

None

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
In case of skin contact: First aid measures not anticipated  
In case of eye contact: First aid measures not anticipated  
If swallowed: First aid measures not anticipated

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### Indication of any immediate medical attention and special treatment needed

no data available

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## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special hazards arising from the substance or mixture

None

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Further information: no data available

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel.

Reference to other sections: For disposal see section 13.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

### Conditions for safe storage, including any incompatibilities

No storage requirements

Specific end use(s): Apart from the uses mentioned in section 1 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS

### Control parameters

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal protective equipment

Eye/face protection: None

Skin protection: None

**Body Protection:** None

**Respiratory protection:** None

### Control of environmental exposure

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form: crystalline; Color: White  
Odor: no data available  
Odor Threshold: no data available  
pH: no data available  
Melting point/freezing point: Melting point/range: 164 - 168 °C (327 - 334 °F) - lit.  
Initial boiling point and boiling range: no data available  
Flash point: 100 °C (212 °F) - ISO 2719  
Evaporation rate: no data available

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Flammability (solid, gas):	no data available
Upper/lower flammability or explosive limits:	no data available
Vapor pressure:	no data available
Vapor Density:	no data available
Relative density:	0.3846 g/cm <sup>3</sup> at 26 °C (79 °F)
Water solubility:	42.55 g/l at 25 °C (77 °F) - completely soluble
Partition coefficient:	log Pow: 2.205 at 25 °C (77 °F)
n- octanol/water:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity:	no data available
Explosive properties:	no data available
Oxidizing properties:	no data available
Other safety information:	no data available

### 10. STABILITY AND REACTIVITY

Reactivity:	Non-reactive
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur
Conditions to avoid:	None
Incompatible materials:	None

#### Hazardous decomposition products

Other decomposition products - none  
In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

LD50 Oral - rat - 584 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Tremor. Behavioral:Ataxia.

Dermal: no data available

LC50 Inhalation - Rat - male and female - 4 h - > 8.7 mg/l  
(OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2,000 mg/kg  
(OECD Test Guideline 402)

**Skin corrosion/irritation:** Irritation not expected

**Serious eye damage /eye irritation:** Irritation not expected

**Respiratory or skin sensation:** no data available

**Germ cell mutagenicity:** no data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** insufficient data

**Specific target organ toxicity - repeated exposure:** no data available

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**Aspiration hazard:** no data available

**Additional Information:** RTECS: BO6650000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 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 and vPvB

assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

## 15. REGULATORY INFORMATION

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

SARA 313 Components: 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.

SARA 311/312 Hazards: Acute Health Hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Denatonium benzoate	3734-33-6	

### New Jersey Right To Know Components

	CAS-No.	Revision Date
Denatonium benzoate	3734-33-6	

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

## 16. OTHER INFORMATION

<u>NFPA</u>		<u>HMIS</u>	
Health hazard:	0	Health hazard:	0
Fire Hazard:	0	Chronic Health Hazard:	
Reactivity Hazard:	0	Flammability:	0
		Physical Hazard:	0

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