

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: Test Solution
Company Name: Allegro Industries
Address: 1360 Shiloh Church Rd
Piedmont, SC 29673
864-846-8740
Chemtrec: 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. Get medical attention, if unwell.
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 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

For industrial or professional use only. Do not eat, drink or smoke when using this product.

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: Liquid; 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

Flammability (solid, gas): no data available

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Upper/lower flammability or explosive limits: no data available
Vapor pressure: no data available
Vapor Density: no data available
Relative density: 0.3846 g/cm³ 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

Aspiration hazard: no data available

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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

Revision Date: 1/25/2023 REV. M

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1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: **2041-11K**
Nomenclature: **Bitter (Denatonium Benzoate) Fit Sensitivity Solution #1**
Recommended Use of the Chemical & Restrictions on Use:
Uses: Sensitivity Test Solution
Company Name: Allegro Industries
Address: 1360 Shiloh Church Rd
Piedmont, SC 29673
864-846-8740
Chemtrec: 800-424-9300

2. HAZARDS IDENTIFICATION

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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	<.02%
Sodium Chloride	7647-14-5	4.98%
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.
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In case of skin contact: First aid measures not anticipated
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Most important symptoms and effects, both acute and delayed

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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 breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

For industrial or professional use only. Do not eat, drink or smoke when using this product.

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: Liquid; 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 ³ 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

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Serious eye damage

/eye irritation: Irritation not expected

Respiratory or skin sensation:

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Germ cell mutagenicity: no data available

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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

Aspiration hazard: no data available

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Additional Information: RTECS: BO6650000

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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

Revision Date: 1/25/2023 REV. L

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