



501 Chesapeake Park Plaza Baltimore MD 21220

410-574-4500 Fax: 410-391-6665

<http://www.tilleychem.com>

SAFETY DATA SHEET SODIUM BENZOATE 33% SOLUTION

SECTION 1: IDENTIFICATION

Product Trade Name: Sodium Benzoate 33% Solution

Chemical Family: Preservative

Distributed By

Tilley Chemical Co. Inc.

501 Chesapeake Park Plaza

Baltimore, MD 21220

410-574-4500

24 Hour Emergency Contact

CHEMTREC 800 424-9300

SECTION 2: HAZARD IDENTIFICATION

Emergency Overview

Odorless colorless solution has little or no known hazards.

Hazard Categories Serious Eye Damage/Irritation - Category 2A



Pictograms

Signal Word

Warning

Hazard Statements

H319 Causes serious eye irritation.

Precautionary Statements

Prevention

P264 Wash face, hands and any exposed skin thoroughly after handling.

P280 Wear eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.



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SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component Name	CAS #	% OPTIONAL
Sodium Benzoate	532-32-1	~ 33%
Water	7732-18-5	~ 67%

SECTION 4: FIRST AID MEASURES

Eye

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

Skin

Immediately flush affected area with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

Inhalation

If symptoms are experienced, move victim to fresh air. Obtain medical attention if breathing difficulty persists.

Ingestion

If swallowed, give plenty of water Obtain emergency room treatment immediately.

Note to Physician

Treat symptomatically

Protection of First aiders

Use personal protective equipment.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point

Not available

Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous Combustion Products

Carbon monoxide (CO), Carbon dioxide (CO₂)

Explosion Data



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Sensitivity to mechanical impact No
Sensitivity to static discharge No

FIRE FIGHTING MEASURES

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with the skin and the eyes. Ensure adequate ventilation

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Methods of Clean-up

Dam up. Neutralize. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. After cleaning, flush away traces with water. Do not release into sewers and/or waterways.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use.

Storage

Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure that eye wash stations and safety showers are close to the workstation location.

Personal Protection

Inhalation: A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Skin:

Wear chemical resistant gloves such as rubber, neoprene or vinyl. When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn.

Eye:



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Use splash goggles when eye contact due to splashing or spraying liquid is possible.

Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

Occupational Exposure Limits

This product is not known to contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid. White/pale yellow
Odor:	None
pH 1% solution:	6.8 – 7.2
Boiling Point/Boiling Range:	104 OC (221 OF)
Flammability:	No flammable limits
Vapor Pressure:	No information available
Evaporation Rate:	No information available
Specific Gravity:	1.13 – 1.14
Relative Vapor Density:	No information available
Solubility (Water):	Complete

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

The product is stable.

Conditions to Avoid

Incompatible products

Incompatible Materials

Strong acids Alkali Strong base Strong oxidizing agents Metal nitrates.

Decomposition Products

Not expected to decompose under normal conditions.

Hazardous Reaction

Gives off hydrogen by reaction with metals

Reactions with Air and Water



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Does not react with air, water or other common materials

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute Effects:

Inhalation:

Material may be an irritant to mucous membranes and respiratory tract.

Skin:

Contact with skin may result in irritation.

Ingestion:

Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye:

An eye irritant.

Germ cell mutagenicity:

This material has been classified as non-hazardous.

Carcinogenicity:

This material has been classified as non-hazardous.

Reproductive toxicity:

This material has been classified as non-hazardous.

Product Information

LD50 Oral: No information available

LD50 Dermal: No information available

LC50 Inhalation: No information available

Toxicology data for the components

Chemical Name	Weight%	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Benzoate	33	4070 mg/kg Rat		

Chronic Effects

Carcinogenicity There are no known carcinogenic chemicals in this product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Component Information

Sodium Benzoate 96-hr. LC50; fathead minnow: GT 1000mg/L 96-hr. LC50; water flea: GT 1000 mg/L 24-hr. LC50; water flea: 1.540 mg/L 24-hr. EC50 (mobilization); water flea: GT 500 mg/L 48-hrs EC50

Environmental Fate: It is expected to have little adverse environmental impact.

Biodegradation: Readily biodegradable.



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SECTION 13: DISPOSAL CONSIDERATIONS

Hazardous waste Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Taking into account local regulations the product may be disposed of as waste water after neutralization.

SECTION 14: TRANSPORT INFORMATION

Not Regulated

SECTION 15: REGULATORY INFORMATION

Federal Regulations

SARA 302/304

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Immediate (Acute) Health Hazard.	No
Delayed (Chronic) Health Hazard.	No
Fire Hazard	No
Sudden Release of Pressure	No
Reactive Hazard	No

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

SECTION 16: OTHER INFORMATION

Revised Date: 8/14/2019

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.



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SPECIFICATION SHEET

SODIUM BENZOATE 33% SOLUTION

PROPERTIES

Appearance	Clear liquid, slightly yellowish tint
Assay as Sodium Benzoate	32 % - 34% (wt/wt)
CAS# (Water and Sodium Benzoate)	7732-18-5 and 532-32-1
pH 1% Solution	6.8 – 7.2
Specific Gravity @ 25 °C	1.136
Storage Temperature	10 °F – 100 °F

The following tests are reported on anhydrous basis

Heavy Metals (as Pb)	< 5 ppm
Lead	< 2 ppm
Alkalinity as (NaOH)	< 0.04%

This Material when dried to constant weight will meet the chemical requirements of the current FCC.



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Sodium Benzoate 33% Solution

Food Grade Status:

The product is blended with Citric Acid Food Grade and DI Water. The product is Food Grade when Dried.

BSE/TSE:

Tilley Chemical Co. Inc. hereby confirms that neither source materials nor production processes used in the production of Sodium Benzoate are derived from animals or humans. We hereby certify that the above-mentioned product is manufactured and supplied in the condition that there is no cross-contamination with any animal/human origin materials having the risk of transmissible Bovine and Human Spongiform Encephalopathy.

GMO:

None of the products that contain genetically modified organisms. None of our raw materials were manufactured from or processed with or by means of genetically modified organisms. None of our products are processed with or treated with or by means of genetically modified organisms. In other words, genetically modified organisms play no part whatsoever in the manufacturing of our products.

Allergen Statement:

Sodium Benzoate 33% solution does not contain the following Allergens/Sensitizing Agents:

- Milk or Milk products
- Eggs or Egg products
- Soybeans or Soybean products
- Peanuts or Peanut products
- Tree Nuts
- Wheat and Wheat products
- Gluten
- Grains
- Fish or Seafood
- Shellfish
- Seeds or Seed products
- Mustard or Mustard Seed products
- Sesame or Sesame Seed Products
- Lupine
- Celery
- FD & C Yellow #5 of #6
- Sulfites
- Monosodium Glutamate



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- Galactose
- Lactose
- Beef or Beef derivatives
- Chicken, fowl or their derivatives
- Pork or its derivatives
- Gelatin
- Vegetable protein

Halal:

Although Sodium Benzoate 33% Solution is not Halal certified, but the raw material is Halal certified.

Kosher:

Tilley Sodium Benzoate 33% is Kosher, certified by Star K

Organic Compliance:

Tilley Sodium Benzoate 33% Solution is not considered as "Organic"

HACCP:

The HACCP/HARPC Plan for Tilley Chemical Company, Inc. is categorized into Food Grade Chemical & Ingredients. The plan contains the Flow Diagram, Product Description Forms, and Hazard Analysis. As per the National Advisory Committee on Microbiological Criteria for Foods Guidelines and Codex Alimentarius General Principles of Food Hygiene, a HACCP/HARPC system is not required to have a critical control point (CCP). However, a hazard analysis must be performed. A very thorough hazard analysis was conducted. There were no steps in the process that were found to control, eliminate or reduce to a safe level any hazard. No CCP's were identified in the hazard analysis.

Country of Origin Statement:

This is to confirm that the product is blended by the Tilley Chemical Co. Inc. at our Baltimore Maryland location. The product is manufactured in the United States of America.



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Nutritional Information:

Calculated / Analyzed: Average Values per
100g

Energy KJ	0 KJ
Energy Kcal	0 Kcal
Protein	0 g
Available Carbohydrates	0 g
Of which are Sugars	0 g
Of which are Starch	0 g
Fat	0 g
Saturates	0 g
Mono-unsaturated	0 g
Polyunsaturated	0 g
Dietary Fiber	0 g
Sodium	5.3 g
Cholesterol	0 g

If you have any other questions concerning quality, please feel free to contact us.