

Tincture of Benzoin
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SAFETY DATA SHEETS

SECTION 1: IDENTIFICATION

Product identifier used on the label

: Tincture of Benzoin

Other means of identification

: MS409, MS409G, MS409S
Bottle with applicator, Spray

Recommended use of the chemical and restrictions on use

: For personal care
Usage Restriction: None known

Chemical family

: Mixture

Name, address, and telephone number of the supplier:

Name, address, and telephone number of the manufacturer:

Torbot, a division of Safetec

887 Kensington Avenue
Buffalo, NY, USA 14215

Refer to supplier.

Supplier's Telephone # : (716) 895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

SECTION 2. HAZARD IDENTIFICATION

Classification of the chemical

Bottle with applicator or spray with a clear brown to dark brown liquid. Smell of alcohol.

This product is offered for sale as a safe personal care item for consumers under normal and reasonably foreseeable conditions of use. As such, it is not regulated under the labelling requirements of Hazcom 2012 and WHMIS 2015. For informational purposes, this product would have the following OSHA classification:

Flammable Liquids - Category 2

Serious Eye Damage/Irritation - Category 2A

Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

Labelling elements

Hazard pictogram(s)



Signal word

DANGER

Hazard statements

Highly flammable liquid and vapour.
Causes serious eye irritation.

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Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash hands and other contacted skin thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to approved disposal site, in accordance with local regulations.
IF INHALED: Carry the person outdoors and hold them in a position where they can breathe comfortably. Call a POISON CONTROL CENTRE or a doctor if you feel unwell.

Other Hazards

Hydrocarbon Concentration: 0 %

Substance does not meet the criteria for Endocrine Disruptor according to Regulation (EU) 2017/2100 3 or Regulation (EU) 2018/605 4.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Mixture

<u>Chemical Name</u>	<u>Common name and synonyms</u>	<u>CAS RN</u>	<u>Concentration (wt%)</u>
Ethanol	Ethanol	64-17-5	50 - 100

The precise concentrations of the chemicals listed above are not disclosed under trade secrets.

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SECTION 4. FIRST AID

Description of First Aid

- Ingestion* : Rinse mouth with water.
Get medical attention.
- Inhalation* : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Skin contact* : Call physician if irritation develops or persists.
- Contact with the eyes* : IN CASE OF CONTACT WITH EYES: Rinse carefully with water for several minutes with lukewarm water. Use clean fingers to ensure that the eyelids are separated and that the eye is being irrigated.
If eye irritation persists, seek medical attention.

Main symptoms and effects, acute and delayed

- : None intended, when used as intended. Causes severe eye irritation. Symptoms may include watery eyes, redness, and discomfort.

Indication of any immediate medical care and special treatments needed

- : Treat symptomatically.

SECTION 5. FIRE RESPONSE

Appropriate extinguishing media

- : Carbon dioxide, dry chemical, foam.

Inappropriate extinguishing agents

- : Do not use a water jet as a means of extinguishing as this could spread the fire.

Special hazards resulting from the substance or mixture / Flammability conditions

- : Carbon monoxide, unidentified organic compounds.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 2

Hazardous Combustion Products

- : Carbon monoxide, Carbon oxides, aldehydes, organic acids, nitrogen oxides, ammonia, amines.

Special protective equipment and precautions for firefighters

Protective equipment for firefighters

- : Firefighters should wear a self-contained breathing apparatus with a full-face element and waterproof clothing.

Special Firefighting Methods

- : Cool containers exposed to heat with water spray and remove it, if it is safe to do so.

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SECTION 6. ACTIONS TO BE TAKEN IN THE EVENT OF AN ACCIDENTAL SPILL

Personal Precautions, Protective Equipment and Emergency Procedures

: Eliminate all sources of ignition (no smoking, no torches, sparks or flames nearby). Wear proper personal protective equipment. If spilled in an enclosed are ventilate.

Precautions for the protection of the environment

: Avoid release to the environment. Do not flush liquid in public sewer, water systems or surface waters. Recover as much as possible and absorb remainder with inert material.

Containment and Cleaning Methods and Equipment

: Wipe with an absorbent material (e.g. fabric, wool). Place into labeled contains and store in safe locations for proper disposal.

Special Spill Response Methods

: Not applicable.

SECTION 7. HANDLING AND STORAGE

Handling safety precautions

: Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke. Do not swallow or ingest. Follow good industrial hygiene practices. Avoid eye contact, repeated or prolonged skin contact if inhalation of aerosol, mist or vapours. Use in well-ventilated areas.

Conditions for safe storage

: Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Product is not reactive or degraded by moisture, however, protect from moisture contamination for performance purposes.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<u>Exposure limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethanol	1000 ppm	1000 ppm	1000 ppm	None

Exposure controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Respiratory protection

: None required under normal conditions. Use a properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and safe working limits of the known respirator.

Skin protection

: None required under normal conditions

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Eye/face protection

: None required under normal conditions.

Other protective equipment

: Wash hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

General hygiene considerations

: Always observe good personal hygiene practices such as washing after handling the material and before eating, drinking and/or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid, clear brown to dark brown

Smell : Hydrocarbon-like

Olfactory threshold : Not available.

pH : Not available.

Melting Point/Freezing Point

: Not available.

Initial boiling point and boiling range

: 100°C (212°F)

Flash Point : 20°C (68°F)

Flash Point Method : Closed cup

Flammability (liquid, gas) : Flammable liquid material

Lower flammability limit (% vol.)

: Not available

Upper flammability limit (% vol.)

: Not available.

Oxidizing properties

: Not available.

: None.

Explosive properties : Non-explosive

Vapour pressure : Not available

Vapour density : Not available

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Refractive Index

: 0.8400 – 0.8700 @ 20°C

Solubility in water

: Not available

Other solubility(ies)

: Not available.

Partition coefficient: n-octanol/water / Water/oil distribution coefficient

: Not available.

Auto-ignition temperature

: Not available.

Decomposition Temperature

: Not available.

Viscosity

: Not available.

Volatile matter (wt%)

: Not available

Volatile Organic Compounds (VOCs)

: Not available

Absolute Container Pressure

: Not available.

Flame projection distance

: Not available.

Other physical/chemical observations

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND RESPONSIVENESS

Reactivity

: This product is stable and non-reactive under normal conditions of use, storage and transportation.

Chemical stability

: The product is stable under normal use.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid

: Keep away from heat, sparks, and open flames.

Incompatible materials

: Strong acids, alkalis, oxidizing agents, excessive heat.

Hazardous decomposition products

: Not expected.

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SECTION 11. TOXICOLOGICAL DATA

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eyes : YES

Routes of entry ingestion : YES

Routes of exposure skin absorption
: NO

Potential Health Effects:

Short-term (acute) exposure symptoms

Signs and symptoms inhalation

: None intended, when used as intended.

Signs and symptoms ingestion

: None intended, when used as intended.

Signs and symptoms Skin

: None planned, when used as intended.

Signs and symptoms eyes

: None intended, when used as intended. Direct contact with the eyes may cause irritation. Symptoms may include watery eyes, redness, and discomfort.

Risk of chronic health effects : None intended, when used as intended.

Mutagenicity : Is not intended to be mutagenic.

Carcinogenicity : This product is not considered carcinogenic by IARC, ACGIH, NTP, or OSHA.

Reproductive Effects & Teratogenicity

: This product is not suspected of causing reproductive or developmental effects.

Sensitization to material : Is not intended to be a respiratory or skin sensitizer.

Specific target organ effects : None intended, when used as intended.

Medical conditions aggravated by overexposure

: None reported by the manufacturer.

Synergistic substances : None reported by the manufacturer.

Toxicological data : See data below for acute toxicity.

<u>Chemical Name</u>	LC50(4hr) <u>inh, rat</u>	LD50	
		<u>(Oral, rat)</u>	<u>(skin, rabbit)</u>
Ethanol	61 mg/L (vapour)	7,060 mg/kg	>15,800 mg/kg

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Other Important Toxicological Hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL DATA

Ecotoxicity : The product has not been classified as hazardous to the environment. Avoid release to the environment.

Ecotoxicity data:

Ingredients	CAS RN	Toxicity to fish		
		LC50 / 96h	NOEC / 28 day	M-factor
Ethanol	64-17-5	14,200 mg/L (pimephales promelas)	245-250 mg/L	None.

Ingredients	CAS RN	Toxicity to daphnias		
		EC50 / 48h	NOEC / 21 days	M-factor
Ethanol	64-17-5	5,012 (Ceriodaphnia dubia)	9.6 mg/L	None.

Ingredients	CAS RN	Toxicity to algae		
		EC50 / 72h	NOEC / 48h	M-factor
Ethanol	64-17-5	275 mg/L	11.5 mg/L	None.

Persistence and degradability

: Not available.

Potential for bioaccumulation

: Not available.

<u>Ingredients</u>	<u>Partition coefficient: n-octanol/water (log K_{ow})</u>	<u>Bioconcentration factor (BCF)</u>
Ethanol	-0.31	3.16 L/kg

Mobility in the ground : Not available.

Miscellaneous Adverse Effects on the Environment

: None known or reported by the manufacturer.

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SECTION 13. DISPOSAL DATA

Handling for disposal

: Dispose of the product in accordance with federal, state, and local regulations.

Methods of disposal

: Dispose of the product in accordance with federal, state, and local regulations.

RCRA (Resource Conservation and Recovery Act)

: Not applicable.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN Shipping Name	Transport hazard class(es)	Packing Group	Label
The United States (DOT)	1993	Flammable liquid, N.O.S. (Ethanol)	III	II	None
The United States (DOT) Additional Information	Special provision 47 exempts UN 3175, Liquids containing flammable liquid, N.O.S., in sealed packages, containing less than 10 ml, from the regulations, provided that there is no free liquid in the package				
ICAO/IATA	1993	Flammable liquid, N.O.S. (Ethanol)	III	II	None
ICAO/IATA Additional Information	Special provision A46 exempts UN 3175, Liquids containing flammable liquid, N.O.S., in sealed packages, containing less than 10 ml, from the regulations provided that there is no free liquid in the package.				
IMDG	1993	Flammable liquid, N.O.S. (Ethanol)	III	II	None
IMDG Additional Information	Special provision 216 authorizes UN No. 3175, Liquids containing flammable liquid, N.O.S. in sealed packings, containing less than 10 ml to be exempted from the regulation, provided that there is no free liquid in the packet.				

Special precautions to be taken by the user

: Adequate precautionary statements must accompany the packaging.

Environmental hazards

: Not environmentally hazardous for transport.

Bulk transport in accordance with Annex II of the MARPOL 73/78 Convention and the IBC Code

: Not applicable.

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SECTION 15. REGULATORY INFORMATION

U.S. Federal Intelligence:

The ingredients listed below are present on the following U.S. federal chemical lists

<u>Ingredients</u>	<u>No CAS</u>	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic chemical	de minimis concentration
Ethanol	64-17-5	Yes	None	None.	N/Ap	No

SARA TITLE III: Sec. 313 Toxic Chemicals Notification, 40 CFR 372: Flammable Solid Eye Irritation Specific Target Organ Toxicity - Single Exposure.

U.S. Laws "State Right to Know":

The following chemicals are listed by each of these states:

<u>Ingredients</u>	<u>CAS RN</u>	California Proposition 65		Right to Know Status List					
		Registered	Type of toxicity	CA	MA	MN	NJ	PA	IR
Ethanol	64-17-5	Yes	Developmental	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

All Ingredients of this product are on the Canadian LIS list. WHMIS classification: See Section 2.

International Intelligence:

The ingredients listed below are present on the following international inventory list:

<u>Ingredients</u>	<u>CAS RN</u>	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Ethanol	64-17-5	200-5778-6	Present	Present	(2)-202	KE-13217	Present	HSR001144

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SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CSA: Canadian Standards Association
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods Code Inh: Inhalation
CL: Lethal Concentration /DL: Lethal Dose
N/A: Not applicable /P/D: Not available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NOEC: No-observed-effect concentration
NTP: National Toxicology Program
OECD: Organization for Economic Co-operation and Development
OEL: National Occupational Exposure Limits
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
SARA: Superfund Amendments & Reauthorization Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time-Weighted Average
WHMIS: Workplace Materials Information System

References

: 1. ACGIH, Cut-Off Value for Chemicals and
2. Physical Agents and Biological Exposure
3. ECHA - European Chemical Agency
4. Canadian Centre for Occupational Health and Safety, CCInfoWeb database
5. Manufacturer's Safety Data Sheets.
6. US EPA Title III List of Lists
7. California Proposition 65 List
8. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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: Initial/New

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