

**Safety Data Sheet dated 2/2/2018, version 1**

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**1. IDENTIFICATION**

Product identifier

Mixture identification:

Trade name: TSB BROTH

Other means of identification:

Trade code: 4C058N.A

Recommended use of the chemical and restrictions on use

Recommended use:

Copan TSB salt broth is a Tryptic Soy Broth (TSB) with 2,5 % sodium chloride (NaCl). It is an enrichment medium able to support the growth of *S. aureus* spp. Microorganisms other than *S. aureus* may be supported or inhibited or partially inhibited.

Copan TSB salt broth is used to inoculate clinical specimens and, after appropriate incubation, is subcultured on selective agar plates.

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

COPAN ITALIA SPA

VIA PEROTTI, 10 – 25125 BRESCIA

Phone : +39 0302687211

Phone :

Competent person responsible for the safety data sheet:

[msds@copangroup.com](mailto:msds@copangroup.com)

Legal Manufacturer:

Copan Italia SpA - Italia

Phone : +39 0302687211

Emergency phone number

Phone :

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**2. HAZARD(S) IDENTIFICATION**

Classification of the chemical

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

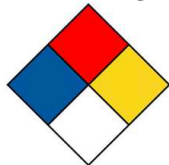
None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	*	
FLAMMABILITY		
PHYSICAL HAZARD		
PERSONAL PROTECTION		

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

None.

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### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

Treatment:

None

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

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Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products:  
None  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Special protective equipment and precautions for fire-fighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment, and emergency procedures  
Wear personal protection equipment.  
Remove all sources of ignition.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
Provide adequate ventilation.  
Remove persons to safety.  
Use appropriate respiratory protection.  
See protective measures under point 7 and 8.  
Methods and materials for containment and cleaning up  
Wash with plenty of water.

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**7. HANDLING AND STORAGE**

Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not use on extensive surface areas in premises where there are occupants.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.  
Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.  
Storage temperature:  
Store at ambient temperature.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters  
No occupational exposure limit available  
DNEL Exposure Limit Values  
N.A.  
PNEC Exposure Limit Values  
N.A.  
Appropriate engineering controls:  
None  
Individual protection measures  
Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.  
Protection for skin:  
No special precaution must be adopted for normal use.  
Protection for hands:

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Not needed for normal use.  
Respiratory protection:  
Not needed for normal use.  
Thermal Hazards:  
None

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and colour:	N.A.	
Odour:	N.A.	
Odour threshold:	N.A.	
pH:	7,3	
Melting point / freezing point:	N.A.	
Initial boiling point and boiling range:		N.A.
Solid/gas flammability:	N.A.	
Upper/lower flammability or explosive limits:	N.A.	
Vapour density:	N.A.	
Flash point:	N.A. ° F	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	N.A.	
Solubility in water:	N.A.	
Solubility in oil:	N.A.	
Partition coefficient (n-octanol/water):		N.A.
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	N.A.	
Miscibility:	N.A.	
Fat Solubility:	N.A.	
Conductivity:	N.A.	
Substance Groups relevant properties		N.A.

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**10. STABILITY AND REACTIVITY**

Reactivity  
Stable under normal conditions  
Chemical stability  
Stable under normal conditions  
Possibility of hazardous reactions  
None  
Conditions to avoid  
Stable under normal conditions.  
Incompatible materials  
None in particular.  
Hazardous decomposition products  
None.

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**11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects  
Toxicological information of the product:  
TSB BROTH  
a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met  
b) skin corrosion/irritation  
Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation  
Not classified  
Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met

e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met

f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met

g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met

h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met

i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met

j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:  
N.A.

Substance(s) listed on the NTP report on Carcinogens:  
None.

Substance(s) listed on the IARC Monographs:  
None.

Substance(s) listed as OSHA Carcinogen(s):  
None.

Substance(s) listed as NIOSH Carcinogen(s):  
None.

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## **12. ECOLOGICAL INFORMATION**

Ecotoxicity  
Adopt good working practices, so that the product is not released into the environment.

TSB BROTH  
Not classified for environmental hazards  
Based on available data, the classification criteria are not met

Persistence and degradability  
N.A.

Bioaccumulative potential  
N.A.

Mobility in soil  
N.A.

Other adverse effects  
None

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## **13. DISPOSAL CONSIDERATIONS**

Waste treatment and disposal methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force.

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## 14. TRANSPORT INFORMATION

UN number  
Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name  
N.A.

Transport hazard class(es)  
N.A.

Packing group  
N.A.

Environmental hazards  
ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)  
N.A.

Special precautions  
N.A.

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## 15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act  
TSCA inventory: all the components are listed on the TSCA inventory.  
TSCA listed substances:  
None.

SARA - Superfund Amendments and Reauthorization Act  
Section 302 - Extremely Hazardous Substances: no substances listed.  
Section 304 - Hazardous substances: no substances listed.  
Section 313 - Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
No substances listed.

CAA - Clean Air Act  
CAA listed substances:  
None.

CWA - Clean Water Act  
CWA listed substances:  
None.

USA - State specific regulations

California Proposition 65  
Substance(s) listed under California Proposition 65:  
None.

Massachusetts Right to know  
Substance(s) listed under Massachusetts Right to know:  
No substances listed.

New Jersey Right to know  
Substance(s) listed under New Jersey Right to know:  
No substances listed.

Pennsylvania Right to know  
Substance(s) listed under Pennsylvania Right to know:  
No substances listed.

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## 16. OTHER INFORMATION

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average