SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2025
Date Updated: Sept. 24, 2025

SECTION 1. - - - - - - - - - PRODUCT AND COMPANY IDENTIFICATION- - - - - - - - - -

Product Name	PEG t-octylphenyl ether (n = 9-10)
Product Code(s)	TB0198
Recommended Use	For Laboratory Research Use Only Not for Human or Animal Drug Use
Supplier	Bio Basic Inc.
Address	20 Konrad Crescent, Markham, Ontario, Canada, L3R 8T4
Telephone	(905) 474 4493
Fax	(905) 474 5794
For Chemical Emergency Phone#	(416) 995 9730

SECTION 2. - - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - -

GHS classification in accordance with the Hazardous Products Regulations

Acute toxicity (Oral): Category 4

Skin irritation: Category 2

Serious eye damage: Category 1

Short-term (acute) aquatic hazard: Category 1

Long-term (chronic) aquatic hazard: Category 1

GHS Label elements, including precautionary statements

Hazard Pictogram:

Signal word: Danger

Hazard Statements :

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -

Chemical Name	CAS-No	Weight or Concentration %
PEG t-octylphenyl ether (n = 9-10)	9002-93-1	>=80 - <=100

SECTION 4. - - - - - - - - - - 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
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5. - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - - - -

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

Special protective equipment for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Specific hazards during fire fighting
Combustible.
Vapours are heavier than air and may spread along floors.
Forms explosive mixtures with air on intense heating.

Hazardous combustion products
Carbon oxides

Further information
Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. - - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - - - -

Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7. - - - - - - - - - - HANDLING AND STORAGE- - - - - - - - - - -

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage Class

10, combustible liquid.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

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

Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -

Appearance

Form	viscous liquid
Color	colorless to light yellow

Safety data

pH	No data available
Melting point	6 °C
Freezing point	No data available
Boiling point	> 200 °C (1,013 hPa)
Flash point	No data available
Ignition temperature	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Density	No data available
Water solubility	soluble
Partition coefficient: n-octanol/water	No data available
Relative vapor density	No data available
Odor	No data available
Odor Threshold	No data available
Evaporation rate	No data available

SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY - - - - - - - - -

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
Violent reactions possible with:
Strong oxidizing agents
Strong acids

Conditions to avoid
Strong Heating

Materials to avoid
Strong acids, Strong bases, Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available

SECTION 11. - - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - - -

Acute toxicity

Acute toxicity estimate Oral - 500 mg/kg
(Calculation method)
LD50 Oral - Rat - 1,900 - 5,000 mg/kg
Remarks: (External MSDS)
The value is given in analogy to the following substances: Octylphenol polyethoxyethanol
Inhalation: No data available
Acute toxicity estimate Dermal - > 2,000 mg/kg
(Calculation method)
LD50 Dermal - Rabbit - > 3,000 mg/kg
Remarks: (External MSDS)
The value is given in analogy to the following substances: Octylphenol polyethoxyethanol

Skin corrosion/irritation

Skin - Rabbit
Result: irritating - 4 h
(OECD Test Guideline 404)
Remarks: The value is given in analogy to the following substances: 4-(1,1,3,3- tetramethylbutyl)phenol

Serious eye damage/eye irritation

Eyes - Rabbit
Result: Risk of serious damage to eyes.
(Draize Test)
Remarks: Risk of corneal clouding.

Respiratory or skin sensitization

Sensitisation test: - Human
Result: negative
Remarks: (External MSDS)
The value is given in analogy to the following substances: Octylphenol polyethoxyethanol

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test):
Test system: Mouse lymphoma test
Result: negative
Remarks: (Lit.)

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12. - - - - - - - - - ECOLOGICAL INFORMATION - - - - - - - - - -

Toxicity

Toxicity to fish :	LC50 (Leuciscus idus (Golden orfe)): 0.26 mg/l Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes Method: OECD Test Guideline 203 GLP: yes Remarks: The value is given in analogy to then following substances: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to daphnia and other aquatic Invertebrates:	EC50 (Daphnia magna (Water flea)): 0.011 mg/l Exposure time: 48 h Test Type: static test Remarks: (ECOTOX Database) The value is given in analogy to the following substances: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to algae/aquatic : Plants	EC50 (Pseudokirchneriella subcapitata (green algae)): 1.9 mg/l Exposure time: 96 h Test Type: static test GLP: yes Remarks: (ECHA) The value is given in analogy to the following substances: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
M-Factor (Acute aquatic toxicity):	10
Toxicity to fish (Chronic toxicity):	(Danio rerio (zebra fish)): 0.012 mg/l Test Type: flow-through test Analytical monitoring: yes Method: OECD Test Guideline 210 Remarks: The value is given in analogy to the following substances: The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol
Toxicity to daphnia and: other aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Water flea)): 0.03 mg/l End point: reproduction rate Exposure time: 21 d

Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: The value is given in analogy to the following substances:
The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

M-Factor (Chronic aquatic toxicity): 1

Persistence and degradability
Biodegradability : aerobic
Inoculum: activated sludge
Concentration: 100 mg/l
Biodegradation: 22 %
Exposure time: 28 d
Method: OECD Test Guideline 301C
Remarks: The value is given in analogy to the following substances:
The value is given in analogy to the following substances: Octylphenol polyethoxyethanol

Chemical Oxygen Demand (COD) : 2.19 mg/g

Bioaccumulative potential
No data available

Mobility in soil
No data available

PBT and vPvB assessment
No data available

Other adverse effects
Discharge into the environment must be avoided.

SECTION 13. - - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - - -

Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. - - - - - - - - - - TRANSPORT INFORMATION - - - - - - - - -

IATA-DGR

UN/ID No. :	UN 3082
Proper shipping name :	Environmentally hazardous substance, liquid, n.o.s. (Octylphenol polyethoxyethanol)
Class :	9
Packing group :	III
Labels :	Class 9 - Miscellaneous dangerous substances and articles

Packing instruction (cargo Aircraft)	964
Packing instruction: (passenger aircraft)	964

IMDG-Code

UN number :	UN 3082
Proper shipping name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
Class :	9
Packing group :	III
Labels :	9
EmS Code :	F-A, S-F
Marine pollutant :	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

TDG

UN number :	UN 3082
Proper shipping name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
Class :	9
Packing group :	III
Labels :	9
ERG Code :	171
Marine pollutant :	no

Special precautions for user

Remarks : EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids. Packages smaller than or equal to 5 kg / L , not dangerous goods of Class 9

SECTION 15. - - - - - - - - - REGULATORY INFORMATION - - - - - - - - - -

Canadian lists

No substances are subject to a Significant New Activity Notification.

SECTION 16. - - - - - - - - - - OTHER INFORMATION- - - - - - - - - - - -

Further information: no limited for paper copy, just for internal uses.
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS