Safety Data Sheet

Issue Date: 12/06/2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name: TRIstat PCG90 Preservative
INCI Name: Phenoxyethanol (and) Caprylyl glycol

Product Use: Active preservative ingredient in cosmetic and personal care applications

Supplier: Voyageur Soap and Candle Company Ltd
Address: Unit 14 – 19257 Enterprise Way Surrey, BC V3S 6J8
Website: www.voyageursoapandcandle.com
Telephone: 1 (800) 758 – 7773

1.2 Emergency Telephone Number:

24-Hour Emergency: 1 (800) 424 – 9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

Classification according to regulation EC No. 1272/2008 [CLP]:

Acute Toxicity – Category 4
Eye Irritation – Category 2A
For full text of H- and P- phrases: See SECTION 16

2.2 Label Elements

Signal Word: WARNING
Hazard Statements:
H302; H319
Precautionary Statements:
P264, P270, P280, P301+P312, P305+P351+P338, P337+P313P, P330, P501

Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Chemical Identity of the substance	CAS #	EINECS #	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
2- phenoxyethanol	Ethylene glycol monophenyl ether	122-99-6	204-589-7 (I)	Harmful; Xn; R22; S(2) Irritant; Xi; R36; S26	Acute tox. 4 H302 Eye Irrit. 2A H319	88-92%
1-2 Octanediol	Caprylyl glycol	1117-86-8	214-254-7	Irritant; Xi; R36	Eye Irrit. 2A H319	8-12%

Additional Information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Immediately flush with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical Attention without delay, preferably from an ophthalmologist. Eye wash fountain should be located in immediate work area.
Skin Contact: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention without delay, if necessary. Wash clothing before reuse. Safety shower should be located in immediate work area.
Inhalation: No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of vapors/aerosol, remove to fresh air and get medical attention if cough or other symptoms develop.
Ingestion: Rinse mouth thoroughly with water. If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most Important symptoms and effects, both acute and delayed:

Causes eye irritation and will be harmful if ingested

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical powder, CO2, foam, water fog or fine spray.

5.2 Unsuitable Extinguishing Media:

Do not use direct water stream, which may spread fire.

5.3 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: None known

Hazardous Decomposition Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. Combustion products may include and are not limited to: carbon monoxide, carbon dioxide.

5.4 Advice for Fire-Fighters:

Special Fire-Fighting Procedures:

Wear positive-pressure self-contained breathing apparatus and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Wash hands after exposure with the substance. Restrict unnecessary and unprotected personnel from entering the area.

6.2 Environmental Precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or ground water. Contain contaminated water/fire-fighting water. Do not discharge into drain/surface water/ground water.

6.3 Methods and Material for Containment and Cleaning Up:

Steps to be taken if material is released or spilled:

Small spill: Absorb with suitable absorbent material such as sand or vermiculite. Collect in suitable and properly labelled container.

Large spill: Contain spilled material if possible. Pump into suitable and properly labelled containers. Dispose of absorbed material / collected material in accordance with regulations.

6.4 Reference to Other Sections

Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Follow general occupational hygiene such as wash hands before and after use. Do not eat, drink, or smoke in work areas. Remove contaminated clothing. Avoid spills. Follow safe procedures for loading and un-loading of products. Dispose of rinse water in accordance with local and national regulations.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

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. Electrical installations / working materials must comply with the technological safety standards.

7.3 Suitable Packing Materials:

HMHDPE carboys, stainless steel, carbon steel, ISO container, IBC

7.4 Unsuitable Packing Materials:

Mild steel

7.5 Specific End Use(s):

Active preservative ingredient in cosmetic and personal care applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Components with workplace control parameters:

8.1.1 Engineering measures:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

8.2 Personal Protective Equipment:

8.2.1 Hand Protection Remarks:

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

8.2.2 Eye Protection:

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

8.2.3 Skin and Body Protection:

Wear appropriate impervious clothing, safety shoes. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Wear resistant gloves (consult your safety equipment supplier)

8.2.4 Hygiene Measures:

Wash hand before breaks and end of workday. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear colourless to light yellow liquid	**Vapor Pressure:** Not determined
Odor: Characteristic	**Vapor Density:** No data available
Odor Threshold: No data available	**Relative Density:** No data available
Specific gravity/density: No data available	**Solubility (ies):** No data available
Freezing point: Not determined	**Partition coefficient:** No data available
Initial Boiling Point & Range: No data available	**Auto-ignition Temperature:** No data available
Flash Point: 261°F	**Decomposition Temperature:** No data available
Evaporation Rate: No data available	**Viscosity:** No data available
Flammability (solid, gas): Non-flammable	**Explosion Properties:** Not available
Upper/lower flammability / explosive limits: Not applicable	**Oxidizing Properties:** Not determined

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reaction, if stored and handled as prescribed (Section 7)

10.2 Chemical Stability:

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of Hazardous Reactions:

Not anticipated when used or handled as prescribed

10.4 Conditions to Avoid:

Sunlight, extreme heat, flame, and other sources of ignition

10.5 Incompatible Materials:

Strong acids, strong bases and strong oxidizing agents

10.6 Hazardous Decomposition Products:

Will not form, if stored or handled as prescribed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute oral toxicity (Rat): LD50 > 2214 mg/kg bw
Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August 1979))
Acute inhalation toxicity (Rat) (Aerosol): LC50 > 1000 mg/m3 air
(OECD Guideline 412)
Skin corrosion/irritation (Rabbit): No irritation
(OECD Guideline 404)
Serious eye damage/irritation (Rabbit): Irritating
(OECD Guideline 405)
Respiratory or skin sensitization (Guinea pig): No sensitization
(OECD Guideline 406/EU Method B.6/EPA OPPTS 870.2600)
Germ cell mutagenicity:

Bacterial reverse mutation assay (in vitro): Negative
(OECD Guideline 471/EU Method B.13/14)
Micronucleus assay (in vitro): Negative
(OECD Guideline 474/EU Method B.12/EPA OPPTS 870.5395)

Carcinogenicity: Carcinogenicity not expected
Toxicity: Rat (Oral): NOAL: 249 mg/kg bw/day
Toxicity: Mouse (Oral): NOAL: 468 mg/kg bw/day
(OECD Guideline 451)

Reproductive Toxicity: Not classified
Effects on Fertility:
Mouse (Oral) male/female: NOAEL: 375 mg/kg bw/day
(reproductive assessment conducted by continuous breeding (RACB); protocol devised by NTP
Maternal Toxicity: Oral (Rat): NOAEL: 300 mg/kg bw/day
Embryotoxicity/teratogenicity: Oral (Rat): NOAEL: 1000 mg/kg bw/day
(OECD Guideline 414/EU Method B.31/EPA OPPTS 870.3700)
Maternal Toxicity: Dermal (Rabbit): NOAEL: 300 mg/kg bw/day
Embryotoxicity/teratogenicity: Dermal (Rabbit): NOAEL: 600 mg/kg bw/day
(Equivalent or similar to OECD Guideline 414)
STOT- single exposure: Not classified
STOT- repeated exposure: Not classified
Repeated dose toxicity: Oral (Rat): NOAEL: ≥ 700 mg/kg bw/day
(OECD Guideline 408/EU Method B.26/EPA OPPTS 870.3100)
Repeated Dose Toxicity: Dermal (Rabbit): NOAEL: 500 mg/kg bw/day
(Equivalent or similar to OECD Guideline 411)
Repeated dose toxicity: Inhalation (Rat): NOAEC: 48.2 mg/m3
(OECD Guideline 412)

Aspiration Hazard: Not classified
Information on the likely routes of exposure: Exposure by dermal and inhalation (limited due to low vapor pressure of substance)
Symptoms related to the physical, chemical, and toxicological characterisitcs:
Eye contact: Irritation, redness
Ingestion: No specific data
Delayed, Immediate, and Chronic Effects from short and long term exposure:
Short term exposure: Local irritation on mucous membranes
Long term exposure: Irritation in upper respiratory tract due to inhalation exposure (based on animal data)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:
Short term toxicity to fish (Pimephales promelas): LC50 (96 h): 344 mg/l
(ASTM Guideline)
Long term toxicity to fish (Pimephales promelas): NOEC (34d): 23 mg/l (based on mortality)
(OECD Guideline 210/EPA OPP 72-4/EPA OPPTS 850.1400)
Short term toxicity to aquatic invertebrates (Daphnia magna): LC50 (48h): 488 mg/l
(Equivalent or similar to EPA OPP 72-2)
Long term toxicity to aquatic invertebrates (Daphnia magna):
NOEC (21d): 9.43 mg/l (based on reproduction)
NOEC (21d): 49.2 mg/l (based on growth)
(OECD Guideline 211/EPA OPPTS 850.1300)
Toxicity to aquatic algae (Desmodesmus subspicatus):
EC50 (72h): 443 mg/l (Based on biomass)
EC10 (72h): 159 mg/l (Based on biomass)
EC50 (72h): 625 mg/l (Based on growth rate)
NOEC (72h): 70 mg/l (Based on growth rate)

(EU Method C.3)

12.2 Persistence and Degradability:

Readily biodegradable; >90% after 15 days (DOC removal)

OECD Test Guideline 301A (old version) (Ready Biodegradability: Modified AFNOR Test) / EPA OPPTS 835.3110

12.3 Bio accumulative Potential:

BCF Value: 0.349, no potential for bioaccumulation expected

Method: Calculation – Estimation software: EPIWIN program BCF (v2.15)

12.4 Mobility in Soil:

Absorption coefficient Koc: 40.74 at 20°C, a low absorption potential on solid material is expected (OECD Guideline 121/EU Method C.19)

12.5 Other Adverse Effects:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose of contents/container in accordance with local/regional/national/international regulations. The product should not be allowed to enter drains, water courses, or soil. Do not contaminate ponds or waterways with chemical or used container. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
14.1 UN Number	None	None	None	None
14.2 UN Proper Shipping Name	Not Regulated	Not Regulated	Not Regulated	Not Regulated
14.3 Transport Hazard Class(s)	Not classified as dangerous according to transport regulations	Not classified as dangerous according to transport regulations	Not classified as dangerous according to transport regulations	Not classified as dangerous according to transport regulations
14.4 Packing Group	None	None	None	None
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	None	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

EU EINECS/ELINCS/NLP	Listed
Canada DSL/NDSL	Listed on the DSL. Does not comply with NDSL
US TSCA	Listed
Korea KECI	Listed
China IECSC	Listed
Japan ENCS	Listed
Philippine PICCS	Listed. CAS # 1117-86-8 not listed
Australia AICS	Listed
New Zealand NZIoC	Listed

15.2 Chemical Safety Assessment

Not available

SECTION 16: OTHER INFORMATION

16.1 List of Relevant CLP Phrases for reference (See Section 2 and 3)

H302 – Harmful if swallowed
H319 – Causes serious eye irritation

P-200 Prevention

P264 – Wash skin thoroughly after handling
P270 – Do not eat, drink, or smoke when using this product
P280 – Wear protective gloves/protective clothing/eye protection/face protection

P-300 Response

P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician IF you feel unwell
P337+P313P – If eye irritation persists: Get medical advice/attention
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 – Rinse mouth

P500 Disposal

P501 – Dispose of contents/container in accordance with local and/or federal regulation.

16.2 List of Relevant DPD Phrases for reference (See section 2 and 3)

Risk Phrases:
R22 – Harmful if swallowed
R36 – Irritating to eyes

Safety Phrases:
S(2) – Keep out of reach of children
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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End of Safety Data Sheet