

Material Safety Data Sheet

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OPTIPHEN

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Responsible Party: The Chemistry Store
Product Name: OPTIPHEN
CAS Registry Number: 122-99-6; 1117-86-8
CAS Name: 2-Phenoxyethanol; 1,2 Octanediol
Synonyms: Phenoxyethanol ; Caprylyl Glycol (INCI NAMES)

2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

MAY BE HARMFUL IF SWALLOWED.

CAUSES MODERATE EYE IRRITATION.

Colorless Liquid

Hazard Overview

Target Organs: • Eyes

Primary Route(s) of Exposure: Eyes.

Acute Health Hazards: Causes moderate eye irritation.

Chronic Health Hazards: None known

Signs and Symptoms of Overexposure

Eye Contact: Causes moderate eye irritation.

Skin Contact: Not a hazard under normal use conditions.

Ingestion: May be harmful if swallowed.

Inhalation: Not a hazard under normal use conditions.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components:	Weight %
2-PHENOXYETHANOL 122-99-6	53-58
1,2-Octanediol 1117-86-8	42-47

4. FIRST AID MEASURES

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin Contact:	Wash with soap and water.
Ingestion:	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	All standard firefighting media
Unusual Fire/Explosion Hazards:	Unknown
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Use appropriate protective equipment.
Procedure for Cleaning/Absorption:	Contain spill with sand or other inert materials.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes. Wash thoroughly with soap and water after handling.
Storage:	Mix well before using. Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight. This material may solidify when stored below 25°C. If solidification occurs, gently heat at 40-50°C and stir before use to ensure homogeneity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use in a well ventilated area.
Respiratory Protection:	Use in a well ventilated area.
Hand Protection:	Use gloves as a standard industrial handling procedure.
Eye Protection:	Chemical goggles; also wear a face shield if splashing hazard exists.
Exposure Limits:	

Components:	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
2-PHENOXYETHANOL 122-99-6 (53-58)	No TLV/TWA Established	No TLV/TWA Established
1,2-Octanediol 1117-86-8 (42-47)	No TLV/TWA Established	No TLV/TWA Established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless
Odor:	Not determined
Odor Threshold:	Not available

pH:	Not determined
Specific Gravity:	1.03 (water=1)
Boiling Point (°F):	Not determined
Melting Point/Freezing Point(°F):	Not determined
Vapor Pressure:	Not determined
Solubility:	Not determined
Flash Point (°F):	261 - 262

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Extreme temperatures.

11. TOXICOLOGICAL INFORMATION

Toxicity Test:

Acute Oral LD50 (mg/kg):	1,260 (Phenoxyethanol) 2,200 (approx) (1,2 Octanediol)
Acute Dermal LD50 (mg/kg):	14,422 (Phenoxyethanol)
Acute Inhalation LC50 (mg/l):	Not Determined
Eye Irritation:	Moderately irritating. (Draize) (Phenoxyethanol) Irritating. (1,2 Octanediol)
Skin Irritation:	Mildly irritating. (Phenoxyethanol) Non-irritating. (1,2 Octanediol)
Sensitization:	Human RIPT: Not a sensitizer (Phenoxyethanol) Human RIPT: Non-sensitizing (1,2 Octanediol)
Mutagenicity:	Nonmutagenic Ames assay with and without metabolic activation. (Phenoxyethanol) Negative in Ames Test. (1,2 Octanediol)
Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Other Information	Photosensitization: Non-photosensitizing (Phenoxyethanol).

12. ECOLOGICAL INFORMATION

Biodegradability:	Easily biodegradable. (1,2 Octanediol)
Aquatic Toxicity:	No data is available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:	Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.
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14. TRANSPORT INFORMATION

Land Transportation:

DOT (Non-Bulk):

UN/NA Number: NONE

DOT Shipping Name: NOT REGULATED

Hazard Class: NONE

DOT (Bulk):

UN/NA Number: NONE

DOT Shipping Name: NOT REGULATED

Air Transportation (IATA):

UN Number: NONE

Proper Shipping Name: NOT REGULATED

Hazard Classification: NONE

Sea Transportation (IMO):

UN/ID Number: NONE

Proper Shipping Name: NOT REGULATED

Hazard Classification: NONE

TDG (Canada):

Proper Shipping Name: NOT REGULATED

Hazard Class: NONE

15. REGULATORY INFORMATION

TSCA Inventory List: This product and/or its components are listed or exempt from the TSCA Inventory

**California Proposition 65
Carcinogens & Reproductive
Toxicity (CRT) List:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Ingredient Disclosure List: One or more components of this product is listed on the WHMIS Ingredient Disclosure list.

Canada DSL Inventory List: This product and/or its components are listed or exempt from the DSL Inventory

Canada NDSL Inventory List: This product and/or its components does not comply with NDSL

**Japan Inventory of Existing &
New Chemical Substances
(ENCS):** This product and/or its components does not comply with ENCS

**Australia Inventory of Chemical
Substances (AICS) List:** This product and/or its components are listed or exempt from the AICS Inventory

**European Inventory of Existing
Commercial Chemical
Substances (EINECS):** This product and/or its components are listed or exempt from the EINECS Inventory

**EU List of Notified Chemical
Substances (ELINCS)** This product and/or its components does not comply with ELINCS

16. OTHER INFORMATION

NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 0.

HMIS RATING:

<u>HEALTH</u>	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

Reason for revision: Nothing has been revised.

Legend: N.Av.= Not Available; N.A.= Not Applicable

Important Note: For purposes of this MSDS, The Chemistry Store, as responsible party, provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed. The Chemistry Store's industrial products are used as materials in the production of products by its customers. The Chemistry Store usually has only limited information about the products of its customers and their composition, methods of manufacture and use.

END OF MSDS