

# PHENOXYETHANOL SORBIC ACID

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

Product Name: Phenoxyethanol SA  
Composition, CAS No., EINECS No.:  
Phenoxyethanol (approx. 52%), 122-99-6, 204-589-7  
2,4-Hexadienoic acid (= sorbic acid) (approx 6%), 110-44-1  
1,2-octanediol (= caprylyl glycol) (approx. 42%), 1117-86-8

### 2. PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	not determined
Flash Point:	124°C (255°F)
Specific Gravity:	1.03
Vapor Pressure:	not determined
Vapor Density, Air= 1:	not determined
Evaporation Rate:	not determined
pH-Value:	not determined
Solubility in Water:	water insoluble

### 3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions  
Incompatibility: not known  
Hazardous Decomposition: not anticipated  
Hazardous Polymerisation: will not occur

### 4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place protected from sunlight.

### 5. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Usually not required. If vapors or mists are generated, wear a NIOSH approved vapor/mist respirator.  
Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.

### 7. HAZARDS IDENTIFICATION

Risk Phrases: Phenoxyethanol may be harmful if swallowed.  
Phenoxyethanol and 1,2-octanediol may be irritating to eyes.  
Primary Entry Routes & Target Organs: Eyes  
Acute Health Hazards: Causes moderate eye irritation.  
Chronic Health Hazards: None known  
Inhalation: Not a hazard under normal use conditions.  
Eye Contact: Causes moderate eye irritation.  
Skin Contact: Not a hazard under normal use conditions.

### 8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.  
Skin: Wash exposed areas of the body with soap and water.  
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  
Ingestion: Do not induce vomiting. Drink slowly 1-2 glasses of water. If unusual symptoms are observed, seek medical advice.

### 9. FIRE FIGHTING MEASURES

Flash Point: 124°C (255°F)  
NFPA Rating: Health 1, Flammability 1, Reactivity 0  
Extinguishing Media: Dry chemical, foam, carbon dioxide, water spray. Water stream may splash burning liquid and spread fire.  
Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear incl NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand.  
Unusual Fire/ Explosion Hazard: Unknown

### 10. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (mg/ kg): 1,260 (Phenoxyethanol)  
2,200 (approx) (1,2 Octanediol)  
Acute Dermal LD50 (mg/ kg): 14,422 (Phenoxyethanol)  
Sensitization: HumanRIPT: Not a sensitizer (Phenoxyethanol)  
HumanRIPT: Non-sensitizing (1,2 Octanediol)  
Mutagenicity: Nonmutagenic Ames assay with & without metabolic activation (Phenoxyethanol). Negative in Ames Test (1,2 Octanediol)  
Skin Irritation: Non-irritating to rabbit skin (as sold). Mildly irritating (Phenoxyethanol). Non-irritating. (1,2 Octanediol)  
Eye Irritation: Moderately irritating (Draize) (Phenoxyethanol). Irritating (1,2 Octanediol)  
Other Information: Non-photosensitizing (Phenoxyethanol).

### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with local, state & federal disposal regulations. Easily biodegradable (1,2 Octanediol)

### 12. TRANSPORT INFORMATION

DOT Shipping Name / Hazard Class: Not regulated  
ADR/ RIC Code / Hazard Class: Not regulated  
Sea Transport IMDG Code / Hazard Class: Not regulated  
Air Transport IATA Code / Hazard Class: Not regulated

### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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