



ACME-HARDESTY
A division of
JACOB STERN & SONS, INC.
- SINCE 1857 -

Phenochem

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 05/29/2015 Date of Issue: 08/13/2012

Version: 1.0

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

1.1. Product Identifier

Product Form: Mixture

Product Name: Phenochem

CAS No: 122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3

Synonyms: Parabens in Phenoxyethanol

1.2. Intended Use of the Product

Use of the substance/mixture: Cosmetics, Personal Care products

1.3. Name, Address, and Telephone of the Responsible Party

Company

Acme-Hardesty Co

450 Sentry Parkway

Blue Bell, PA 19422

T 866-226-3834 T 215-591-3610

www.acme-hardesty.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Acute Tox. 4 (Oral) H302

Eye Irrit. 2A H319

Aquatic Acute 3 H402

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



GHS07

Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H402 - Harmful to aquatic life

Precautionary Statements (GHS-US)

: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

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

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

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.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

No additional information available

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2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
2-Phenoxyethanol	(CAS No) 122-99-6	70 - 74	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
Benzoic acid, 4-hydroxy-, methyl ester	(CAS No) 99-76-3	15 - 17	Comb. Dust Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Ethyl 4-hydroxybenzoate	(CAS No) 120-47-8	3.6 - 4.4	Comb. Dust
Benzoic acid, 4-hydroxy-, butyl ester	(CAS No) 94-26-8	3.6 - 4.4	Comb. Dust
Propyl 4-hydroxybenzoate	(CAS No) 94-13-3	1.8 - 2.2	Comb. Dust Aquatic Acute 2, H401
Benzoic acid, 4-hydroxy-, 2-methylpropyl ester	(CAS No) 4247-02-3	1.8 - 2.2	Not classified

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: Harmful if swallowed. Eye irritation.

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: May cause mild skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Chemical type foam, carbon dioxide (CO₂), dry chemical, water fog.

Unsuitable Extinguishing Media: Do not use water jet. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Do not distill to dryness. Product can oxidize at elevated temperatures.

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Storage Temperature: > 15 °C (59°F)

Special Rules on Packaging: Do not store in aluminum, galvanized or other corrodable containers.

7.3. Specific End Use(s)

Cosmetics, Personal Care products

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls

: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

: Gloves. Protective goggles. Protective clothing.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Wear chemically resistant protective gloves.

Eye Protection

: Chemical goggles or safety glasses.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State

: Liquid

Appearance

: Colorless to light yellow; Clear.

Odor

: Characteristic

Odor Threshold

: No data available

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pH	: 5.5 Available
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: > 13 °C (55.4 °F)
Freezing Point	: No data available
Boiling Point	: 244 °C (471.2 °F)
Flash Point	: 121 °C (249.8 °F)
Auto-ignition Temperature	: 500 °C (932 °F) (literature value, main component.)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: 1.125 @25°C
Specific Gravity	: 1.120-1.126 g/cm ³ @ 20°C
Solubility	: Soluble. Water: 2.3 % By weight
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: 29.84 mPa.s @ 20°C (main component)
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: Not applicable
Lower Flammable Limit	: 1.4 %
Upper Flammable Limit	: 9.0 %

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Do not distill to dryness. Product can oxidize at elevated temperatures.
- 10.2 Chemical Stability:** Product is stable.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures.
- 10.5 Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity : Oral: Harmful if swallowed.

Phenochem (\f)122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3	
ATE (Oral)	1702.703 mg/kg body weight
2-Phenoxyethanol (122-99-6)	
LD50 Oral Rat	1260 mg/kg
LD50 Dermal Rabbit	5 ml/kg
Benzoic acid, 4-hydroxy-, methyl ester (99-76-3)	
LD50 Oral Rat	2100 mg/kg
Propyl 4-hydroxybenzoate (94-13-3)	
LD50 Oral Rat	> 5000 mg/kg

Skin Corrosion/Irritation: Not classified

pH: 5.5 Available

Serious Eye Damage/Irritation: Causes serious eye irritation.

pH: 5.5 Available

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Phenochem (122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3)

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Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Phenochem (122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3)

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Potential Adverse Human Health Effects and Symptoms: Harmful if swallowed.

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/Injuries After Skin Contact: May cause mild skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

2-Phenoxyethanol (122-99-6)	
LC50 Fish 1	344 mg/l
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Benzoic acid, 4-hydroxy-, methyl ester (99-76-3)	
LC50 Fish 1	59.5 mg/l (Exposure time: 96 h - Species: Oryzias latipes)
EC50 Daphnia 1	11.2 mg/l
ErC50 (algae)	91 mg/l
NOEC chronic crustacea	0.2 mg/l (Species: Daphnia magna)
NOEC chronic algae	20 mg/l
Propyl 4-hydroxybenzoate (94-13-3)	
LC50 Fish 1	4.1 (4.1 - 8.8) mg/l (Exposure time: 96 h - Species: Danio rerio)
EC50 Daphnia 1	7.97 (7.97 - 32.3) mg/l
NOEC chronic algae	2.1 mg/l

12.2. Persistence and Degradability

Phenochem (122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3)	
Persistence and Degradability	Not established.
Benzoic acid, 4-hydroxy-, methyl ester (99-76-3)	
Persistence and Degradability	Readily biodegradable, according to appropriate OECD test.

12.3. Bioaccumulative Potential

Phenochem (122-99-6; 99-76-3; 120-47-8; 94-13-3; 94-26-8; 4247-02-3)	
Bioaccumulative Potential	Not established.
2-Phenoxyethanol (122-99-6)	
Log Pow	1.13 (at 25 °C)
Benzoic acid, 4-hydroxy-, methyl ester (99-76-3)	
Bioconcentration factor (BCF REACH)	6.4
Log Pow	1.98

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

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SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

14.1. UN Number Not regulated for transport

14.2. UN Proper Shipping Name Not regulated for transport

14.3. Additional Information

Other information : No supplementary information available.

Transport by Sea Not regulated for transport

Air Transport Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

2-Phenoxyethanol (122-99-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Benzoic acid, 4-hydroxy-, methyl ester (99-76-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Ethyl 4-hydroxybenzoate (120-47-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Propyl 4-hydroxybenzoate (94-13-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Benzoic acid, 4-hydroxy-, butyl ester (94-26-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations Neither this product nor its chemical components appear on any US state lists.

SECTION 16: OTHER INFORMATION

Revision Date : 05/29/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H232	May form combustible dust concentrations in air
H302	Harmful if swallowed
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

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