



1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	ASESpreserve PHEHG	Supplier:	ASES CHEMICAL WORKS.
Product Form:	Solid Powder	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
Product Use:	Conservation agent (preservative) for cosmetics	Phone:	+91-9636889954
		Web:	www.ases.in
		Email :	ecom@ases.in

2 HAZARDS IDENTIFICATION

GHS Classification	Acute toxicity (Oral) : Category 4 Specific target organ toxicity Category 3 (Respiratory system)	Serious eye damage : Category 1
GHS Labeling:	Hazard pictograms Signal Word : Danger	 
Hazard Statements :	Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation.	

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

Keep out of reach of children. Read label before use.

Prevention: Avoid breathing mist or vapours. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection.

Response: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
IF INHALED: Remove person to fresh air, comfortable for breathing. Call a doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call doctor.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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

Other hazards: None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
2-PHENOXYETHANOL	122-99-6	>=90.00 - <=100.00
1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)	70445-33-9	>=10.00 - < 20.00

4 FIRST AID MEASURES

General advice	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Eye contact	Immediately flush eyes with plenty of cool water. Get medical attention.
Inhalation	Remove to fresh air. Seek medical attention if necessary.
Skin contact	Wash skin with soap and water. Seek medical attention if symptoms occur.
Ingestion	Do not induce vomiting. Drink water. Consult a physician or poison control unit.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	Do not use a heavy water stream.
Resulting gases	Carbon oxides.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

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6 ACCIDENTAL RELEASE MEASURES

Personal Precautions :	Avoid the generation of airborne dust, wear protective equipment.
Environmental Precautions:	Prevent entry into waterways, sewers, public waters, basements or confined areas.
Clean up procedure :	Use vacuum or broom to remove to disposal container. If damp, flush with water.

7 HANDLING & STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practices.
Storage:	Keep container tightly closed in a dry and well-ventilated place. No decomposition if stored and applied as directed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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.
Eyes:	Safety glasses, goggles, or face shield recommended for eye protection.
Body:	Gloves and protective clothing should be worn to prevent prolonged skin contact
Respiratory:	Respiratory protection necessary in the case of vapour formation.
Ingestion:	Handle in accordance with good industrial hygiene and safety practice.
Hygiene measures:	When using do not eat or drink or smoke. Wash hands after use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	liquid	Density :	1.087 - 1.092 g/cm ³ (20 °C)
Color :	colorless	Water solubility :	10 g/l (20 °C)
Odor :	characteristic	Solubility in other solvents :	No data available
Odor Threshold :	not determined	Thermal decomposition :	No data available
pH :	6 - 8 (20 °C)	Viscosity, dynamic :	28 mPa.s
Concentration:	10 g/l	Viscosity, kinematic :	not determined
Melting point :	ca.41 °F / 5 °C	Flow time :	< 15 s at 20 °C
Boiling point :	> 212 °F / > 100 °C	Explosive properties :	Not explosive
Flash point :	> 100 °C	Oxidizing properties :	The substance or mixture is not classified as oxidizing.
Evaporation rate :	not determined	Surface tension :	34 mN/m
Flammability (solid, gas) :	not determined	Melting Point:	1200 - 1750°C
Flammability (liquids) :	not determined	Solubility in Water:	Insoluble in water
Upper explosion limit :	not applicable		
Lower explosion limit :	not determined		
Vapor pressure :	not determined		
Relative vapor density :	not determined		
Relative density :	no data available		

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use..
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Vapours may form explosive mixture with air..
Conditions to Avoid:	Protect from frost, heat and sunlight.
Incompatible Materials:	Oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide (CO ₂), Carbon monoxide.

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11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact, Ingestion

Acute toxicity :

Ingestion

Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Acute oral toxicity :	LD50 (Rat, male): 1,394 mg/kg	LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity :	No adverse effect has been observed in acute inhalation toxicity tests.	LC50 (Rat): 3.07 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity :	LD50 (Rat): 14,391 mg/kg	LD50 (Rat): > 2,000 mg/kg (No adverse effect has been observed tests.)

Acute toxicity:

Skin corrosion/irritation

Product Remarks:	Extremely corrosive and destructive to tissue.	
Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Species:	Rabbit	Rabbit
Result:	No skin irritation	Slight, transient irritation

Acute toxicity:

Serious eye damage/eye irritation Causes serious eye damage.

Product Remarks:	May cause irreversible eye damage.	
Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Species:	Rabbit	Rabbit
Result:	Corrosive	Corrosive

Acute toxicity:

Respiratory or skin sensitization

Skin sensitization:	Not classified based on available information.	
Respiratory sensitization:	Not classified based on available information.	
Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Species:	Guinea pig	Guinea pig
Assessment:	Does not cause skin sensitization	Does not cause skin sensitization
Method:	OECD Test Guideline 406	OECD Test Guideline 406

Acute toxicity:

Germ cell mutagenicity. Not classified based on available information

Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Genotoxicity in vitro:		
Test Type:	Ames test	Ames test
Test species:	Salmonella typhimurium	Salmonella typhimurium
Metabolic activation:	with and without metabolic activation	with and without metabolic activation
Result:	negative	negative

Acute toxicity:

Carcinogenicity/Reproductive toxicity. Not classified based on available information

Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Effects on fetal development		
Test Type:	Pre-natal	Pre-natal
Test species:	Rat	Strain: Sprague-Dawley

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Application Route:	Oral	Oral
General Toxicity Maternal:	NOAEL: ca. 300 mg/kg bw/day	NOAEL: ca. 800/50 mg/kg bw/day
Method:	OPPTS 870.3700	OECD Test Guideline 414

Acute toxicity: **STOT-single exposure . May cause respiratory irritation.**

Components: 2-PHENOXYETHANOL:
Assessment: May cause respiratory irritation.

Acute toxicity: **STOT- Repeated dose toxicity. Not classified based on available information.**

Components:	2-PHENOXYETHANOL	1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)
Species:	Rat, male and female	Rat, male and female
NOAEL:	369 mg/kg	100 mg/kg
Application Route:	Oral	Oral
Method:	OECD Test Guideline 408	OECD Test Guideline 407

Species: Rabbit, male and female
NOAEL: 500 mg/kg
Application Route: Dermal

Acute toxicity: **Aspiration toxicity. Not classified based on available information.**

Further information Product Remarks: No data available

Acute toxicity: **Carcinogenicity**

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

12 ECOLOGICAL INFORMATION

Ecotoxicity Product:

Ecotoxicology Assessment Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard: Not classified based on available information.

Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 337 - 352mg/l Exposure time: 96 h Test Type: flow-through test	LC50 (Danio rerio (zebra fish)): 60.2 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203

Toxicity to daphnia and other	EC50 (Daphnia magna (Water flea)): > 500 mg/l	EC50 (Daphnia magna (Water flea)): 78.3 mg/l
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	Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202	Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae :	NOEC (Desmodesmus subspicatus (green algae)): > 500 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test	IC50 (Desmodesmus subspicatus (green algae)): 48.3 mg/l Exposure time: 72 h Test Type: static test
Toxicity to fish (Chronic toxicity)	NOEC (Pimephales promelas (fathead minnow)): 23 mg/l Exposure time: 34 d Test Type: flow-through test Method: OECD Test Guideline 210	NOEC: 1.5 mg/l Exposure time: 35 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia): 9.43 mg/l Exposure time: 21 d End point: Reproduction Test Test Type: semi-static test Method: OECD Test Guideline 211	NOEC (Daphnia magna (Water flea)): 20 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Ecotoxicology Assessment	Short-term (acute) aquatic hazard: Long-term (chronic) aquatic hazard:	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence and degradability		
Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Biodegradability :	Result: Readily biodegradable. Biodegradation: 99 % Exposure time: 28 d Method: OECD Test Guideline 301F	Result: Inherently biodegradable Method: OECD Test Guideline 302B
Bioaccumulative potential:	No date available	
Components:	2-Phenoxyethanol	1,2-Propanediol, 3-(2-Ethylhexyloxy)
Partition coefficient: noctanol/water	log Pow: 1.16	log Pow: 2.53 (20 °C)
Mobility in soil:	No date available	
Results of PBT and vPvB assessment		
Components: 2-PHENOXYETHANOL:		
This substance is not considered to be persistent, bioaccumulating and toxic (PBT).		
This substance is not considered to be very persistent and very bioaccumulating (vPvB)		

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13 DISPOSAL CONSIDERATIONS

General advice: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

14 TRANSPORT INFORMATION

US DOT Shipping Description (Land): Non-hazardous for transport.

IMO-IMDG Shipping Description (Sea): Non-hazardous for transport.

IATA Shipping Description (Air): Non-hazardous for transport.

15 REGULATORY INFORMATION

TSCA list: No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

California Prop. 65 This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

Other regulations : Not available

16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.