SDS (Safety Data Sheet)

Phenoxyethanol

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 10/21/2020
Supersedes: 04/24/2019

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Phenoxyethanol No
Synonyms: data available

INCI Name: Phenoxyethanol
CAS Number: 122-99-6

Formula: No data available
Product Form: Liquid

Product Use: Cosmetic use

Distributor: XI'AN AOGU BIOTECH CO.,LTD
Address: Room 606,Block B3,Jinye Times,No.32,East Section of Jinye Road,Yanta District Xi'an Shaanxi 710065 China
Phone / Fax: 0086-29-89121514 0086-18091843361
Web: **www.aogubio.com**

Emergency Telephone Number: 0086-18091843361 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Acute Toxicity - Category 4
Eye Irritation - Category 2A

Signal Word: **WARNING**

GHS Hazard Pictograms:

GHS Hazard Statements:
H302: Harmful if swallowed.
H319: Causes serious eye irritation.

GHS Precautionary Statements:
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312: IF SWALLOWED: call a POISON CENTER or doctor/physician 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.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Hazards:
Eyes: Not expected to be irritant.
Inhalation: Not expected to be irritant.
Skin: Not expected to be irritant.
Ingestion: Not expected to be irritant.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Phenoxyethanol	122-99-6	≥99.0%	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately flush eyes 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.
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.
Skin:	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.
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.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical, water fog or fine spray) for adjacent fire. Do not use direct water stream.
Special protective equipment & precautions for firefighters:	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.
Flash Points:	No data available
Specific hazards arising from the chemical:	During a fire, smoke may contain the original material in addition to combustion products of carrying composition, which may be toxic and/or irritating. Combustion products may include and are not limited to: carbon monoxide, carbon dioxide. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Use personal protective equipment. Wash hands after exposure with the substance. Restrict unnecessary and unprotected personnel from entering the area. See section 8 for recommendations on the use of personal protective equipment.
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. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Small spills: Absorb with suitable absorbent material such as sand or vermiculite. Collect in suitable and properly labeled container. Large spills: contain spilled material if possible. Pump into suitable and properly labeled containers. Dispose of absorbed material/collected material in accordance with regulations.

7 HANDLING & STORAGE

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 spill. Follow safe procedures for loading and unloading of products. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in clean, dry place at 20-40°C away from direct heat and sunlight. Keep container tightly closed after use. Product solidifies, if stored below 14°C for prolonged time. It is recommended to heat ISO containers with hot water or steam with 1.0-1.5 kg/cm^2 pressure through jacket to bring the temperature of product to 30-40°C. If the product becomes frozen in IBC/HMHDPE carboys then keep the same in hot room of 30-40°C (avoid direct heating). In original sealed condition, when stored as suggested, shelf life of the product is at least 2.5 years. Stacking should be maximum 1+1 carboys. Keep away from heat and incompatible materials (see section

10 for incompatibilities).
Suitable packing materials: HMHDPE carboys, stainless steel, carbon steel, ISO container, IBC
Unsuitable packing materials: Mild steel

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Phenoxyethanol	20ppm / 110 mg/m^3	TLV	Austria
	20ppm / 110 mg/m^3	STEL	Austria
	25ppm / 141 mg/m^3	TLV	Canada - Ontario
	20ppm [(1)] / 110 mg/m^3 [(1)]	TLV	Germany (AGS)
	40ppm [(1)(2)] / 220 mg/m^3 [(1)(2)]	STEL	Germany (AGS)
	20ppm [(1)] / 110 mg/m^3 [(1)]	TLV	Germany (DFG)
	40ppm [(1)(2)] / 220 mg/m^3 [(1)(2)]	STEL	Germany (DFG)
	230 220 mg/m^3	TLV	Poland
	20ppm / 110 mg/m^3	TLV	Switzerland
	40ppm / 220 mg/m^3	STEL	Switzerland

(1) Inhalable aerosol and vapor
(2) 15 minutes reference period

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes: Safety goggles should be worn.
Inhalation: Required when vapors/aerosols are generated.
Body: Apron, shoes. Oil resistant gloves, heat-resistant rubber gloves.
Other: Use good personal hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before reuse. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless, low viscous liquid	**Vapor Pressure:**	0.01 mm Hg @ 20 °C
Odor:	Faint aromatic	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	No data available	**Flammability:**	Non-flammable
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	Not applicable
pH:	5.5-7.0	**Flash Point:**	126°C @ 1013 hPa
Boiling Point:	244.3°C	**Specific Gravity @ 25°C:**	No data available
Melting Point:	No data available	**Solubility in Water:**	No data available
Relative Density:	No data available	**Auto-Ignition Temperature:**	475°C @ 999 hPa
Partition Coefficient: n-octanol/water:	Log K_{ow}: 1.2 @ 23°C	**Decomposition Temperature:**	No data available
Viscosity:	<100 cps @ 20°C	**Explosive Properties:**	No data available
Oxidizing Properties:	Not determined	**Freezing Point:**	14°C

10 STABILITY AND REACTIVITY

Reactivity: No hazardous reaction, if stored and handled as prescribed.
Chemical Stability: Stable under normal ambient and anticipated storage and handling conditions od temperature and pressure.

Hazardous Polymerization:	Not anticipated when used or handled as prescribed.
Conditions to Avoid:	Sunlight, heat, flame, and other sources of ignition.
Incompatible Materials:	Strong acids, strong bases, and strong oxidizing agents.
Hazardous Decomposition Products:	Will not form, if stored and handled as prescribed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50: 1840 mg/kg bw (equivalent or simalr to OECD Guideline 401)
Skin:	LD50: >2214 mg/kg bw
Eyes:	Irritating to eyes (OECD Guideline 405)
Respiratory:	LD50: >1000 mg/m^3 air (OECD Guideline 412)
Ingestion:	No data available
Carcinogenicity:	Not expected
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Negative (OECD Guideline 471)
Embryotoxicity:	Negative (OECD Guideline 474)
Specific Target Organ Toxicity:	Not classified.
Reproductive Toxicity:	Not classified Fertility: Oral NOAEL: 375 mg/kg bw/day Developmental Toxicity: Oral NOAEL: 1000 mg/kg bw/day (OECD Guideline 414) Dermal NOAEL: 600 mg/kg bw/day (equivalent or silimar to OECD Guideline 414)
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	Oral NOAEL: 700 mg/kg bw/day (OECD Guideline 408) Dermal NOAEL: 500 mg/kg bw/day (Equivalent or similar to OECD Guideline 411) Inhalation NOAEC: 48.2 mg/m^3 (OECD Guideline 412)
Likely Routes of Exposure:	Exposure by dermal and inhalation (limited due to low vapor pressure of substance)
Symptoms:	Eye contact: irritation, redness Ingestion: no specific data
Delayed/Immediate Effects & Chronic Effects from Short/Long Term Exposure:	Short term exposure: local irritation on mucous membranes Long term exposure: irritation in upper respiratory tract due to inhalation exposure

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	Short term LC50: 344 mg/L (96h) (*Pimephales promelas*) (ASTM Guideline) Long term EC10/LC10 or NOEX: 23 mg/L (34d) (*Pimephales promelas*) (OECD Guideline 210)
Aquatic Invertebrate:	Short term LC50: 488 mg/L (48h) (*Daphnia magna*) (Equivalent or similar to EPA OPP 72-2) Long term EC10/LC10 or NOEC: 9.43 mg/L (21d) (*Daphnia magna*) (OECD Guideline 211)
Terrestrial:	EC50: 443 mg/L (72h) (*Desmodesmus subspicatus*) (Based on: Biomass) EC10/LC10 or NOEC: 159 mg/L (72h) (*Desmodesmus subspicatus*) (Based on: Biomass) (EU Method)
Persistence and Degradability:	Readily biodegradable; >90% after 15 day (DOC removal) OECD Test Guideline 301A (old version) (Readily Biodegradability: Modified AFNOR Test)
Bioaccumulative Potential:	BCF Value: 0.35, no potential for bioaccumulation is expected. (Method: Calculation – Estimation software: EPIWIN program BCF (v2.15))
Mobility in Soil:	Adsorption coefficient KOC: 40.74 @ 20°C, a low adsorption potential on solid material is expected (OECD Guideline 121)
PBT and vPvB Assessment:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other Adverse Effects: No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated as a dangerous good

TDG (Transportation of Dangerous Goods, Canada): No data available

IMDG (International Maritime Dangerous Goods): Not regulated as a dangerous good

IATA (International Air Transport Association): Not regulated as a dangerous good

ICAO (International Civil Aviation Organization): Not regulated as a dangerous good

15 REGULATORY INFORMATION

TSCA Inventory Status: Listed on January 2014 TSCA Inventory.
DSCL (EEC): Listed on the DSL.
WHMIS (Canada): No data available
EU EINECS/ELINCS/NLP: Listed on the EINECS Inventory.
China IECSC: Listed on the IECSC.
China IECIC (06.30.2014): No data available
Australia AICS: Listed on AICS.
Korea KECI: Listed on the ECL.
Japan ENCS: Listed on ENCS.
New Zealand NZIoC: Listed on AZIoC.

16 OTHER INFORMATION

Revision Date: 10/21/2020

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

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 suitableness & completeness of such information for his own particular use.