

MATERIAL SAFETY DATA SHEET**PHENONIP**

Page 1

Substance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012**Section 01 - Product and company identification****Identification of the company:**Clariant Corporation
4000 Monroe Road
Charlotte, NC, 28205
Telephone No.: +1 704 331 7000**Information of the substance/preparation:**

Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: PHENONIP
Synonyms: Product Has No Synonyms
Chemical family:
Primary product use: Personal Care Preservatives
Chemical family: mixture of biocidal substances

Section 02 - Hazards identification

Emergency overview: Clear, pale yellow liquid.
Harmful if swallowed.
NO KNOWN PHYSICAL HAZARDS.

Expected Route of entry:

Inhalation: Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting
Not expected to be toxic by inhalation.

Skin contact: Not expected to be irritating to skin.

Eye contact: Not expected to be irritating to the eyes.

Ingestion: Harmful if swallowed.

Health effects of exposure:

2-Phenoxyethanol (122-99-6)
2-phenoxyethanol: Systemic effects observed in animals include hemolysis, kidney and liver damage, central nervous system depression, and lesions in brain, lungs, and liver. Contact with lips, tongue, and mucous membranes can result in numbness due to local anesthetic effect. Moderately toxic by acute ingestion resulting in gastrointestinal irritation with nausea, vomiting, and diarrhea with possible liver and kidney injury. Signs of overexposure may also include central nervous system depression characterized by excitement, followed by headache, dizziness, and drowsiness. Advanced stages may cause collapse, unconsciousness, coma, and possible death. Inhalation of vapors at elevated temperatures or mists may cause irritation of the nose and upper respiratory tract. Based on animal studies, may cause developmental toxicity under conditions of overexposure. Little or no adverse environmental effects are anticipated.

Known effects on other illnesses: Any existing health condition may be aggravated by exposure to this material.

Listed carcinogen: IARC: NO NTP: NO OSHA: NO

MATERIAL SAFETY DATA SHEET
PHENONIPSubstance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012

Other: No

HMIS:

Health: 1

Flammability: 1

Reactivity: 0

Personal protection: D

Section 03 - Composition/information on ingredients**Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
2-Phenoxyethanol	122-99-6	72 %

Section 04 - First aid measures**After inhalation:**

Remove victim to fresh air.
Consult physician if irritation or other symptoms occur.

After contact with skin:

Wash area with mild soap and copious amounts of water.
Seek medical attention if pain or irritation occurs.

After contact with eyes:

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

After ingestion:

If conscious, give the patient 1-2 glasses of water (8-16 oz.) and call a doctor. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a doctor or nurse.

Advice to doctor / Treatment:

None known.

Section 05 - Fire fighting measures

Flashpoint: 248 °F
Information applies to the solvent.

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Ignition temperature: not available

Hazardous combustion products:

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Carbon dioxide (CO₂)

Extinguishing media: water spray jet
alcohol-resistant foam
carbon dioxide
dry powder

MATERIAL SAFETY DATA SHEET
PHENONIP

Page 3

Substance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012**Special fire fighting procedure:**

Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.

Unusual fire and explosion hazards:

Emits toxic and corrosive fumes under fire conditions.

Section 06 - Accidental release measures**Steps to be taken in case of spill or leak:**

Wear proper protective equipment. Contain spill. Spills should be collected as a liquid or absorbed on suitable absorbant and placed in proper containers for disposal. Do not discharge into storm drains or the aquatic environment.

Section 07 - Handling and storage**Advice on safe handling:**

Store in closed containers. Avoid contact with skin and eyes. Do not inhale vapors. Store between 32 deg. F and 104 deg. F.

Further info on storage conditions:Store in original container.
Keep containers closed.**Section 08 - Exposure controls / personal protection**

No level has been established by OSHA, NIOSH, ACGIH.

Respiratory protection:

If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

Hand protection:

Neoprene Or Nitrile.

Eye protection:

Chemical splash goggles.

Other protective equipment:

Clothing suitable to prevent skin contact.

Advice on system design:

Local ventilation recommended - mechanical ventilation may be used.

IDLH:

Not Determined

Section 09 - Physical and chemical properties**Form:** Liquid**Color:** yellowish

MATERIAL SAFETY DATA SHEET
PHENONIP

Page 4

Substance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012

Odor:	weak
Odor limit:	not tested.
pH:	not tested.
Solubility in water:	(20 °C) slightly soluble
Density:	approx. 1.12 g/cm ³ (20 °C)
Decomposition point :	> 212 °F
:	not determined
Vapor pressure:	not tested.
Relative vapor density:	not tested.
Partitioning coef. octanol/water:	Not applicable
Viscosity / (dynamic):	not tested.

Section 10 - Stability and reactivity

Thermal decomposition:	277 °C (Heating rate:3 K/min) No decomposition if used as prescribed.
Chemical stability:	Stable.
Hazardous Polymerization:	Will not occur. Conditions to avoid: None known.
Conditions to avoid:	Avoid contact with strong oxidizing agents. Contact with strong acids and bases may cause hydrolysis of product. None known.

Section 11 - Toxicological information

Product information:	
Acute oral toxicity:	LD50 1,736 mg/kg (rat) Method: internal test
Acute dermal toxicity:	LD50 > 5,000 mg/kg (rat)
Skin irritation:	non-irritant Method: OECD 404
Eye irritation:	non-irritant Method: OECD 405

Other relevant toxicity information:

Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting

MATERIAL SAFETY DATA SHEET
PHENONIP

Page 5

Substance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012**Section 12 - Ecological information****Product information:**

Biodegradation: 90 - 100 %
Method: OECD 301 A
The data refer to the solvent

Fish toxicity: LC50 > 100 mg/l (Fish general (Pisces))
Method: calculated

Remarks:

Do not allow to enter soil, waterways or waste water
Biologically degradable, when diluted may be degraded in biological purification plants

Section 13 - Disposal considerations**Waste disposal information:**

Properly containerize and label waste material.
Dispose of any waste residues according to prescribed federal, state and local guidelines, e.g. appropriately permitted chemical waste incinerator.
Recommended disposal is by incineration in approved facilities.

RCRA hazardous waste:

No -- Not as sold.

Section 14 - Transport information

DOT	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information**TSCA Status:**

This product is not listed on the Toxic Substances Control Act (TSCA) Inventory. It can not be used for any commercial purposes except as a bonafide cosmetic or cosmetic adjuvant, additive, or ingredient; or for use in research and development under the supervision of a technically qualified individual to understand its potential hazards.

SARA (section 311/312):

Reactive hazard:	no
Pressure hazard:	no
Fire hazard:	no
Immediate/acute:	yes
Delayed/chronic:	yes

SARA 313 information:

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right- To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS's that

MATERIAL SAFETY DATA SHEET
PHENONIPSubstance key: 000000056051
Version : 3 - 3 / USARevision Date: 08/02/2011
Date of printing :01/16/2012

are copied and distributed for this material.

Component	CAS-no. (Trade secret no.)	Concentration
Glycol ethers (SARA 313 Category), total		72 %

Clean Water Act:

Contains no known priority pollutants at concentrations greater than 0.1%.

Volatile organic compounds VOC:

Remarks: Not Available

FDA:

FDA regulated cosmetic ingredient.

Section 16 - Other information**Other precautions:**

Warning: This product is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and its regulations.

Label information:**WARNING!**

HARMFUL IF SWALLOWED Excessive exposure may cause liver, kidney, thyroid and blood effects. This product is not in the TSCA inventory. It cannot be used for any commercial purposes except as a bona fide cosmetic or cosmetic adjuvant, additive or ingredient; or for use in Research and Development under the supervision of a technically qualified individual to understand its potential hazards.

Avoid breathing fumes, vapors, mists or spray. Avoid contact with skin and eyes. Use with adequate ventilation and/or respiratory protection. Wash thoroughly after handling. Keep container closed when not in use. This product is not on the TSCA inventory. Other use will subject user to penalties under the Toxic Substances Control Act.

Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Skin contact: remove contaminated clothing. Wash thoroughly with soap and water for 15 minutes. If contact has been widespread or prolonged, or if irritation occurs, seek medical attention. Wash clothing before reuse. Ingestion: do not induce vomiting. If patient is conscious, give two glasses of water. Never give anything by mouth an unconscious person. Seek medical attention immediately. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the

MATERIAL SAFETY DATA SHEET
PHENONIP

Page 7

Substance key: 000000056051
Version : 3 - 3 / USA

Revision Date: 08/02/2011
Date of printing :01/16/2012

accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.