MATERIAL SAFETY DATA SHEET
NIPAGUARD PO 5

Substance key: 000000235313
Version : 1 - 3 / USA

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Section 01 - Product Information

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: **NIPAGUARD PO 5**

Chemical family:
Primary product use: Cosmetics

Chemical family: Active for cosmetics in Phenoxyethanol

Section 02 - Composition information on hazardous ingredients

Hazardous ingredients:

Component	CAS-no. (Trade secret no.)	Concentration
2-Phenoxyethanol	122-99-6	> 90 %
Octopirox	68890-66-4	< 10 %

Section 03 - Hazards identification

Emergency overview: Clear, colorless liquid.
May cause eye and skin irritation.

Expected Route of entry:

Inhalation: May cause respiratory tract irritation.
Skin contact: May cause mild skin irritation.
Eye contact: May cause eye irritation.
Ingestion: The acute oral toxicity of this material is between 500 and 5000 mg/kg. Relative to other materials, this material is classified as slightly toxic by ingestion.

Health effects of exposure:

2-Phenoxyethanol (122-99-6)
2-phenoxyethanol: Oral LD50(rat): 1,260 mg/kg. A mild skin irritant and a moderate to severe eye irritant which may cause serious damage to the eyes. 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. Brief contact with undiluted material may cause slight irritation. Repeated prolonged and widespread contact, may result in significant skin irritation and the possible absorption of potentially harmful amounts. Beyond the skin irritation, additional signs and symptoms of toxicity would be similar to ingestion. Inhalation of vapors at elevated temperatures or mists may cause irritation of the nose and upper respiratory tract. Contact with eyes causes moderate to severe eye irritation including possible corneal injury. Based on animal studies, may cause developmental toxicity under conditions of overexposure. Little or no adverse environmental effects are anticipated.

Octopirox
Based on animal studies, this product causes moderate irritation to skin and severe irritation to eyes, possibly resulting in eye damage.

Known effects on other illnesses: Preexisting skin and eye conditions may be aggravated.

Listed carcinogen: IARC: No
NTP: No
OSHA: No
Other: No

HMIS:

Health: 2* Flammability: 1 Reactivity: 0 Personal protection: D

Section 04 - First aid measures

After contact with skin:
Remove contaminated clothing without delay. Immediately wash the skin with soap and water for at least 15 minutes under a safety shower. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:
Immediately flush the eyes with large amounts of water, occasionally lifting the upper and lower eyelids, for at least 15 minutes. Seek medical attention immediately.

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: 235 °F
Method: closed cup

Lower explosion limit: 1.4 %(V)

Upper explosion limit: 9.0 %(V)

Ignition temperature: > 392 °F
Data relate to solvent

Hazardous combustion products:
In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO2)
Nitrogen oxides (NOx)

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

Special fire fighting procedure:
Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:
Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent, and place in a suitable container.

Section 07 - Handling and storage

Advice on safe handling:
Sensitive to frost: If product becomes opaque, thickening, or frozen it can be slowly thawed at room temperature and ready for use after a short stirring time. Avoid skin and eye contact. Store above 32 F and below 104 F.

Further info on storage conditions:
Keep containers closed.

Section 08 - Exposure controls / personal protection

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, slightly viscous
Color:	colourless to slightly yellow
Odor:	weak
pH:	8 - 10 (20 °C)
Solubility in water:	2 g/l
Solubility / qualitative:	soluble in methanol, ethanol, acetone
Density:	1.09 g/cm3 (25 °C) Method: DIN EN ISO 12185
Melting point :	approx. 55 °F Data relate to solvent
Vapor pressure:	0.03 Torr (20 °C) Data relate to solvent

Section 10 - Stability and reactivity

Thermal decomposition:	307 °C Method: DSC No decomposition if used as prescribed.
Hazardous Polymerization:	Will not occur. Conditions to avoid: None known.
Conditions to avoid:	Strong oxidizing agents.

Section 11 - Toxicological information

Product information:

Acute oral toxicity:	LD50 200 - 2,000 mg/kg (rat) Method: 1999/45/EC
Skin irritation:	irritant (rabbit) The product has not been tested. The information is derived from the properties of the individual components.
Eye irritation:	Severe irritant (rabbit) The product has not been tested. The information is derived from the properties of the individual components.

Other relevant toxicity information:

Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting
The classification was made by the conventional (calculation) method of the Dangerous Preparations Directive (1999/45/EC)

Section 12 - Ecological information

Product information:

Biodegradation: 90 - 100 %
Method: OECD Guide-line 301 A (new version)
The product is readily biodegradable according to OECD criteria., The data refer to the solvent

Fish toxicity: LC50 2 mg/l (Fish general (Pisces))
Method: calculated
Source: literature

Remarks:

Do not allow to enter soil, waterways or waste water
The classification was made by the conventional (calculation) method of the Dangerous Preparations Directive (1999/45/EC)

Section 13 - Disposal considerations

Waste disposal information:

Recommended disposal is by incineration in approved facilities.

RCRA hazardous waste:

No -- Not as sold.

Section 14 - Transport information

DOT not restricted

IATA

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Class:	9
Packing group:	III
UN/ID number:	UN 3082
Primary risk:	9
Remarks:	Shipment permitted
Hazard inducer(s):	PIROCTON OLAMINE

IMDG

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Class:	9
Packing group:	III
UN no.:	UN 3082
Primary risk:	9
Hazard inducer(s):	PIROCTON OLAMINE

EmS: F-A S-F

Section 15 - Regulatory information

TSCA Status:

All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations.

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 are copied and distributed for this material.

Component	CAS-no. (Trade secret no.)	Concentration
Glycol ethers (SARA 313 Category), total		100 %

Clean Water Act:

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

Volatile organic compounds VOC:

Remarks: Not Available

FDA:

Permitted for Use per Section: 21 CFR 175.105

This product is registered with the FDA.

Section 16 - Other information

Other precautions:

Avoid breathing fumes or vapors and avoid contact with skin and eyes. Wear proper protective equipment. Keep container closed when not in use.

Label information:

CAUTION!

Causes moderate to severe eye irritation, risk of serious eye damage. CAUSES SKIN IRRITATION Prolonged or widespread contact may result in absorption of harmful amounts. HARMFUL IF SWALLOWED OR INHALED Excessive exposure may cause liver, kidney, thyroid and blood effects. May cause developmental toxicity under conditions of overexposure.

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.

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.
