

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Page 1

Substance key: SXR004847
Version : 1 - 9 / USARevision Date: 08/07/2008
Date of printing :08/10/2008**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: GENAPOL O 100

CAS number: 9004-98-2

Synonyms: Product Has No Synonyms

Primary product use: Surface-active raw material

Chemical family: A fatty alcohol polyglycol ether

Section 02 - Composition information on hazardous ingredients**Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Genapol O-100	9004-98-2	100 %

Section 03 - Hazards identification

Emergency overview: White to off-white solid.
Paste
Eye irritant.
Harmful if swallowed.

Expected Route of entry:

Inhalation: Not expected to be toxic by inhalation.

Skin contact: Not expected to be irritating to skin.
Not expected to be toxic by skin absorption.

Eye contact: Causes severe 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.

Known effects on other illnesses: Pre-existing skin and eye disorders may be aggravated by exposure to this product.

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

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Page 2

Substance key: SXR004847
Version : 1 - 9 / USARevision Date: 08/07/2008
Date of printing :08/10/2008**HMIS:**

Health: 2

Flammability: 1

Reactivity: 0

Personal protection: D

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

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

After contact with skin:

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

After contact with eyes:

Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

After ingestion:

If ingested, seek medical assistance immediately.

Advice to doctor / Treatment:

None known.

Section 05 - Fire fighting measures

Flashpoint: > 482 °F
Method: DIN/ISO 2592 (open cup)

Lower explosion limit: not tested.

Upper explosion limit: not tested.

Self ignition: Not applicable

Ignition temperature: not tested.

Hazardous combustion products:

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

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

Special fire fighting procedure:

Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.

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

Section 06 - Accidental release measures

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Page 3

Substance key: SXR004847
Version : 1 - 9 / USARevision Date: 08/07/2008
Date of printing :08/10/2008**Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill, collect into suitable container. For large spills, contain spills with dikes of soil or commercially available diking material and collect into suitable containers for disposal. Avoid washing spills into sewers and waterways. This product is toxic to fish in concentrations of 1 to 10 mg/l.

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

Avoid getting on skin or in eyes when handling product.

Further info on storage conditions:

Keep containers closed.

Section 08 - Exposure controls / personal protection**Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Values / Remarks
Polyethylene glycols	9004-98-2	AIHA. Workplace Environmental Exposure Levels (WEEL)	Time-weighted average (8 hour)	10 mg/m ³

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:

Butyl Rubber, PVC Or Neoprene.

Eye protection:

Chemical splash goggles.

Other protective equipment:

Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

Advice on system design:

Local ventilation recommended - mechanical ventilation may be used.

IDLH:

Not Determined

Section 09 - Physical and chemical properties**Form:**

Pasty

Color:

white to slightly yellow

Odor:

slight, original odour

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Page 4

Substance key: SXR004847
Version : 1 - 9 / USARevision Date: 08/07/2008
Date of printing :08/10/2008

pH:	approx. 7 (20 °C, 10 g/l)
Solubility in water:	(20 °C) soluble, clear
Soluble in ... :	fat not tested.
Density:	0.98 g/cm ³ (50 °C) Method: DIN 51757
Pourpoint :	approx. 77 °F Method: DIN/ISO 3016
Boiling temperature :	not determined
Vapor pressure:	not tested.
Bulk density:	Not applicable
Relative vapor density:	not tested.
Partitioning coef. octanol/water:	not tested.
Viscosity / (dynamic):	approx. 32 mPa.s (50 °C) Method: DIN 53015
Viscosity / (kinematic):	not tested.

Section 10 - Stability and reactivity

Thermal decomposition:	No decomposition if used as prescribed.
Chemical stability:	Stable.
Hazardous Polymerization:	Will not occur. Conditions to avoid: None known.
Conditions to avoid:	Strong oxidizers and strong acids.

Section 11 - Toxicological information

Product information:	
Acute oral toxicity:	LD50 500 - 2,000 mg/kg (rat) Method: OECD 401
Acute inhalation toxicity:	not tested.
Acute dermal toxicity:	not tested.
Skin irritation:	non-irritant (rabbit) By analogy with a similar product.
Eye irritation:	irritant (rabbit) By analogy with a similar product.

Section 12 - Ecological information

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Substance key: SXR004847
Version : 1 - 9 / USA

Revision Date: 08/07/2008
Date of printing :08/10/2008

Product information:

Biodegradation:	> 80 % Method: OECD 302 B
Fish toxicity:	LC50 1 - 10 mg/l (96 h, zebra fish) Method: OECD 203
Bacteria toxicity:	EC50 > 1,000 mg/l Method: DIN 38412 T.8
Chemical oxygen demand (COD):	2,150 mg/g

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

Recommended disposal is by incineration in approved facilities.

RCRA hazardous waste:

No -- Not as sold.
RCRA number: NONE

Section 14 - Transport information

DOT	not restricted
IATA	not restricted
IMDG	not restricted

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

All components of this product are listed on the TSCA Inventory.

SARA (section 311/312):

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

SARA 313 information:

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Clean Water Act:

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

Volatile organic compounds VOC:

Remarks: Not Available

FDA:

This product is not registered with the FDA.

MATERIAL SAFETY DATA SHEET
GENAPOL O 100

Page 6

Substance key: SXR004847
Version : 1 - 9 / USA

Revision Date: 08/07/2008
Date of printing :08/10/2008

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

None Known

Label information:

WARNING!

CAUSES EYE IRRITATION MAY BE HARMFUL IF SWALLOWED

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: flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention. Wash clothing before reuse. Ingestion: 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 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. (R) and TM indicate trademarks of Clariant AG, its business partners or suppliers.