

**MATERIAL SAFETY DATA SHEET**  
**GENAPOL O 020**

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Substance key: SXR023915  
Version : 1 - 9 / USARevision Date: 01/24/2008  
Date of printing :01/25/2008**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 020****CAS number:**

68920-66-1

**Synonyms:**

Polyethoxylated Oleyl Alcohol

**Primary product use:**

Metal processing

**Chemical family:**

Alcohols, C16-18 and C18-unsaturated, ethoxylated

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

Component	CAS-no. (Trade secret no.)	Concentration
Alcohols, C16-18 and C18-unsaturated, ethoxylated (2-5 EO)	68920-66-1	100 %

**Section 03 - Hazards identification****Emergency overview:**Clear, colorless liquid.  
May cause mild skin irritation.**Expected Route of entry:****Inhalation:**Not expected to be toxic by inhalation.  
Not expected to be irritating to the respiratory tract.**Skin contact:**May cause mild skin irritation.  
The acute dermal toxicity of this product is greater than 1000 mg/kg. This product is not toxic by skin absorption.**Eye contact:**

Not expected to be irritating to the eyes.

**Ingestion:**

Not expected to be toxic.

**Known effects on other illnesses:**

None known.

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

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Health: 1

Flammability: 1

Reactivity: 0

Personal protection: B

**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:** 392 °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:**

Use self-contained breathing apparatus and full protective clothing. Direct application of a solid stream of water or foam into hot burning product may cause frothing and increase the fire's intensity.

**Unusual fire and explosion hazards:** Emits toxic fumes under fire conditions. Product floats on water creating a potential floating fire hazard..

**Section 06 - Accidental release measures**

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**Steps to be taken in case of spill or leak:**

Contain spill. Ensure adequate ventilation and wear appropriate personal protective equipment. Collect onto inert absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.

**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.

**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:** 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:** Liquid
- Color:** colourless to slightly yellow
- Odor:** slight, original odour
- pH:** approx. 7 (20 °C, 10 g/l)
- Solubility in water:** (20 °C)  
insoluble
- Soluble in ... :** fat  
not tested.

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<b>Density:</b>	0.88 g/cm <sup>3</sup> (50 °C) Method: DIN 51757
<b>Pourpoint :</b>	approx. 53 °F Method: DIN/ISO 3016
<b>Boiling temperature :</b>	not determined
<b>Vapor pressure:</b>	not tested.
<b>Bulk density:</b>	Not applicable
<b>Relative vapor density:</b>	not tested.
<b>Partitioning coef. octanol/water:</b>	not tested.
<b>Viscosity / (dynamic):</b>	approx. 12 mPa.s (50 °C) Method: DIN 53015
<b>Viscosity / (kinematic):</b>	not tested.

**Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	No decomposition if used as prescribed.
<b>Chemical stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur. Conditions to avoid: None known.
<b>Conditions to avoid:</b>	Strong acids and strong oxidizing agents.

**Section 11 - Toxicological information**

<b>Product information:</b>	
<b>Acute oral toxicity:</b>	LD50 > 2,000 mg/kg (rat) Method: OECD 401
<b>Acute inhalation toxicity:</b>	not tested.
<b>Acute dermal toxicity:</b>	not tested.
<b>Skin irritation:</b>	irritant (rabbit) Method: OECD 404
<b>Eye irritation:</b>	Non-irritating (rabbit) Method: OECD 405
<b>Sensitization:</b>	not tested.

**Section 12 - Ecological information**

<b>Product information:</b>	
<b>Biodegradation:</b>	> 80 % Method: OECD 302 B

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<b>Biodegradation:</b>	> 70 % (28 d) Method: OECD 301 B
<b>Fish toxicity:</b>	LC50 > 1,000 mg/l (96 h, zebra fish) Method: OECD 203
<b>Bacteria toxicity:</b>	EC50 > 1,000 mg/l Method: OECD 209
<b>Chemical oxygen demand (COD):</b>	2,038 mg/g

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

Dispose of spilled or waste product, contaminated soil and other contaminated materials in licensed landfill or treatment facility in accordance with all local, state, and federal regulations.

**RCRA hazardous waste:**

No -- Not as sold.  
RCRA number: NONE

**Section 14 - Transport information**

<b>DOT</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	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:**

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Date of printing :01/25/2008Permitted for Use per  
Section: NONE

This product is not registered with the FDA.

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

Avoid contact with skin and eyes. Wear proper protective equipment. Wash thoroughly after handling.

**Label information:**

CAUTION!

MAY CAUSE SKIN IRRITATION

Avoid breathing fumes, vapors, mists, or spray. Avoid contact with skin, eyes and clothing. Do not swallow. Use with adequate ventilation and/or approved respiratory protection. Wear proper protective equipment. Wash thoroughly after handling. Keep container closed when not in use.

Skin contact: wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention. Wash contaminated clothing before reuse. Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Ingestion: do not induce vomiting. Seek immediate medical assistance. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if respiratory irritation continues.

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.