

MATERIAL SAFETY DATA SHEET
GENAPOL LA 090

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Substance key: 000000150096
Version : 1 - 5 / USARevision Date: 10/05/2009
Date of printing :10/13/2009**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 LA 090
CAS number: 68551-12-2
Synonyms: Product Has No Synonyms
Primary product use: Emulsifier for the techno-chemical industry
Chemical family: Ethoxylated Fatty Alcohol

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

Component	CAS-no. (Trade secret no.)	Concentration
Ethoxylated C12-16 Alcohols	68551-12-2	100 %

Section 03 - Hazards identification

Emergency overview: white
paste
Causes moderate to strong eye irritation.
Skin irritant.

Health effects of exposure:

Genapol LA 090

Severe eye irritant; Skin irritant; Contact hazard. Eye contact: Eye contact will cause discomfort and pain with excess tear production and blinking. There may be moderate to marked conjunctivitis as seen by excessive redness and swelling of the conjunctiva. If not promptly treated, permanent damage with loss or impairment of sight may result skin contact: Skin contact: Skin Contact may result in localized itching and discomfort at site of contact. Prolonged contact, especially contact that occurs from clothing wet with product, may result in marked discomfort, severe redness and swelling, development of fissures, tissue destruction, and bleeding into the inflamed area. Inhalation: Inhalation of heated vapors or sprayed mists may result in lung injury and damage. Ingestion: Effects of swallowing may include stinging or burning sensations in the mouth followed by swelling and irritation of the mouth, throat, esophagus, and stomach. Additional symptoms may include chest discomfort, abdominal pain or discomfort, nausea, vomiting, diarrhea, thirst, faintness, weakness, and drowsiness.

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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

HMIS:

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

Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If redness or 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 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: > 458 °F

Lower explosion limit: not tested.

Upper explosion limit: not tested.

Self ignition: Not applicable

Ignition temperature: approx. 446 °F
Method: DIN 51794

Hazardous combustion products:

Emits toxic fumes under fire conditions.

Extinguishing media:

water spray jet
alcohol-resistant foam
carbon dioxide
dry powder

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Apply alcohol-type or all purpose-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not direct a solid stream of water or foam into hot burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and protective equipment.

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**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

Respiratory protection: If aerosols, mists, or dusts are generated from the use of this product or in conjunction with spill cleanup or emergency response, use NIOSH /MSHA approved respiratory protection.

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:

None

Section 09 - Physical and chemical properties

Form: Liquid

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Color:	white
Odor:	characteristic, faintly
pH:	6 - 8 (20 °C) Isopropanol/Water 3:1
Solubility in water:	(20 °C) soluble
Soluble in ... :	fat not tested.
Density:	0.97 g/cm ³ (25 °C)
Melting point :	not determined
Boiling temperature :	not determined
Vapor pressure:	not tested.
Bulk density:	Not applicable
Relative vapor density:	not tested.
Partitioning coef. octanol/water:	not tested.
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 acids, oxidizers, and strong bases.

Section 11 - Toxicological information

Product information:	
Acute oral toxicity:	LD50 500 - 2,000 mg/kg (rat) Source: CESIO
Acute inhalation toxicity:	not tested.
Acute dermal toxicity:	not tested.
Skin irritation:	non-irritant Source: CESIO
Eye Irritation:	serious eye damages Source: CESIO

Section 12 - Ecological information

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Biodegradation: > 80 % (28 d)
Method: OECD 301 E
The product is readily biodegradable according to OECD criteria.

Fish toxicity: LC50 1 - 10 mg/l (96 h, zebra fish)
Method: OECD 203
Source: Analogy

Bacteria toxicity: EC50 > 1,000 mg/l
Method: OECD 209

Chemical oxygen demand (COD): 2,277 mg/g

Remarks:

By analogy with a product of similar composition

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 Regulation:**

Proper shipping name: Environmentally hazardous substances, liquid, n.o.s.
Hazard class: 9
Packing group: III
UN/NA-number: UN 3082
Primary hazard class: 9
Technical Name: Alcohol C12 - C16 Poly (1 - 6) Ethoxylate
Emergency Response Guide: 171

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): Alcohol C12 - C16 Poly (1 - 6) Ethoxylate

IMDG

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
Class: 9
Packing group: III
UN no.: UN 3082

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Primary risk:	9
Hazard inducer(s):	Alcohol C12 - C16 Poly (1 - 6) Ethoxylate
Hazard inducer / Marine pollutant:	Alcohol C12-C16 Poly (1-6) Ethoxylate
Marine pollutant:	Marine Pollutant
EmS:	F-A S-F

Further information:

According to 49CFR not regulated for surface or air transportation in non-bulk containers under 119 gallons (liquid) or 882 pounds (solid).

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:

Permitted for Use per Section: 40 CFR 180.910

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This product may contain trace amounts of Ethylene Oxide (75-21-8) which may accumulate in the headspace of shipping and storage containers and in enclosed areas where the product is handled or used and as such may be regulated by OSHA's Ethylene Oxide standard (29 CFR 1910.1047). Ethylene Oxide is listed as a human carcinogen by OSHA; and a potential human carcinogen by NTP and IARC. At excess levels, Ethylene Oxide may present reproductive, mutagenic, genotoxic, neurologic, and sensitization hazards in humans. Users should monitor personnel to determine levels of exposure and take appropriate action to protect employees and to comply with the OSHA standard. OSHA Ethylene Oxide exposure limit: OSHA Action level: 0.5 ppm for 8-hr twa. OSHA Permissible Exposure limit: 1 ppm for 8-hr twa. OSHA Excursion limit: 5 ppm for 15 minutes. ACGIH Threshold Limit value for Ethylene Oxide: 1 ppm for 8-hr twa.

Label information:**DANGER!**

Causes burns to eyes. CAUSES SKIN IRRITATION HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN ASPIRATION MAY CAUSE LUNG DAMAGE.

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.

Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Skin contact: immediately remove contaminated clothing and shoes. Flush area thoroughly with plenty of water for at least 15 minutes. If irritation continues, seek medical attention. Wash clothing before reuse. Ingestion: if conscious, give the patient 1-2 glasses of water (8-16 oz.) Seek medical attention. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a doctor or nurse.

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.