**SECTION 1. 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 Stewardship, +1-704-331-7710  
| **Emergency tel. number:** | +1 800-424-9300 CHEMTREC  

| Trade name: | GENAPOL BA 040  
| Material number: | 192040  
| **Synonyms:** | Product Has No Synonyms  
| **Primary product use:** | Metal processing  
| **Primary product use:** | Raw material for cleaning agents  
| **Chemical family:** | Benzyl alcohol ethoxylated.  

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS classification in accordance with 29 CFR 1910.1200**

| Serious eye damage | Category 1  

**GHS label elements**

| Hazard pictograms |  

| **Signal word** | Danger  
| **Hazard statements** | H318 Causes serious eye damage.  
| **Precautionary statements** |  

**Prevention:**

P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Other hazards**

No additional hazards are known except those derived from the labelling.
SAFETY DATA SHEET

GENAPOL BA 040

Substance key: SXR081005  Revision Date: 08/24/2017
Version: 4 - 4 / USA Date of printing: 09/24/2019

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance / Mixture</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance name</td>
<td>Benzyl alcohol ethoxylated.</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>Not Assigned</td>
</tr>
</tbody>
</table>

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyoxyethylene benzyl alcohol ether</td>
<td>26403-74-7</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice: Remove/Take off immediately all contaminated clothing. Show this safety data sheet to the doctor in attendance.

If inhaled: Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.

In case of skin contact: 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.

In case of eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Most important symptoms and effects, both acute and delayed: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

Notes to physician: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water spray jet
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry powder

Unsuitable extinguishing media: High volume water jet
Specific hazards during firefighting: In case of fire hazardous decomposition products may be produced such as:
- Carbon monoxide
- Carbon dioxide (CO2)
- Combustion gases of organic materials must in principle be graded as inhalation poisons.
- Emits toxic and corrosive fumes under fire conditions.

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

Special protective equipment for firefighters: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear suitable protective equipment. Ensure adequate ventilation. 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.

Environmental precautions: Do not empty into drains.

Methods and materials for containment and cleaning up: Pick up with absorbent material (eg sand, sawdust). Rinse away rest with water. Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Observe the general rules of industrial fire protection

Advice on safe handling: Store in a cool, dry place: approximately 68 F. Keep container closed when not in use.

Technical measures/Precautions: Store in original container. Keep container closed.

Recommended storage temperature: 20 °C

Storage period: 24 Months
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyoxylethylene benzyl alcohol ether</td>
<td>26403-74-7</td>
</tr>
</tbody>
</table>

Engineering measures: Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment

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
Recommends: butyl-rubber

Eye protection: Tightly fitting safety goggles

Skin and body protection: 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.

Protective measures: Avoid contact with skin and eyes.

Hygiene measures: Observe the usual precautions for handling chemicals. When using do not eat or drink. Keep away from food and drink. Wash hands before breaks and at the end of workday. Remove/Take off immediately all contaminated clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Colour: light yellow

Odour: characteristic

Odour Threshold: not determined

pH: approximately 7 (20 °C)

Concentration: 1 g/l
pour point  :  < -40 °C  
   Method: ISO 3016

Boiling point  :  > 205 °C  
   (1,013 hPa)

Flash point  :  approx. 205 °C  
   Method: DIN EN 22719 / ISO 2719 (closed cup)

Evaporation rate  :  not determined

Flammability (solid, gas)  :  Not applicable

Self-ignition  :  Not applicable

Burning number  :  Not applicable

Upper explosion limit  :  Not applicable

Lower explosion limit  :  Not applicable

Vapour pressure  :  <= 0.13 hPa (20 °C)

Relative vapour density  :  not determined

Density  :  approx. 1.1 g/cm³ (20 °C)  
   Method: DIN 51757

Bulk density  :  Not applicable

Solubility(ies)  :  
   Water solubility  :  soluble (20 °C)

   Solubility in other solvents  :  not determined  
      Solvent: fat

Partition coefficient: n-octanol/water  :  Not applicable

Auto-ignition temperature  :  not determined

Decomposition temperature  :  > 280 °C  
   Method: DSC

Viscosity  :  
   Viscosity, dynamic  :  approx. 50 mPa.s (20 °C)

   Viscosity, kinematic  :  not determined

Explosive properties  :  Not explosive  
   Method: Expert judgement
Oxidizing properties : The substance or mixture is not classified as oxidizing.
Method: Expert judgement

Metal corrosion rate : < 6.25 mm/a
Not corrosive to metals

Minimum ignition energy : not determined

Particle size : Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Stable

Conditions to avoid : Strong acids and oxidizing agents

Incompatible materials : Strong oxidizing agents
Strong acids

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Inhalation

Acute toxicity

Product:
Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:
Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
Serious eye damage/eye irritation

**Product:**
Species: rabbit eye
Result: Risk of serious damage to eyes.
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

**Product:**
Remarks: no data available

Germ cell mutagenicity

**Product:**
Germ cell mutagenicity - : No information available.
Assessment

Carcinogenicity

**Product:**
Carcinogenicity - : No information available.
Assessment

IARC
Not listed
OSHA
Not listed
NTP
Not listed

Reproductive toxicity

**Product:**
Reproductive toxicity - : No information available.
Assessment

STOT - single exposure

**Product:**
Remarks: no data available

STOT - repeated exposure

**Product:**
Remarks: no data available

Repeated dose toxicity

**Product:**
Experience with human exposure

Product:
General Information: The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish: LC50 (Danio rerio (zebra fish)): 100 - 500 mg/l
  Exposure time: 96 h
  Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: Remarks: no data available

Toxicity to algae: EC50 (Selenastrum capricornutum (green algae)): 346 mg/l
  Exposure time: 72 h
  Method: OECD Test Guideline 201
  GLP: yes

Toxicity to microorganisms: EC50: > 1,000 mg/l
  Method: OECD Test Guideline 209
  GLP:

Persistence and degradability

Product:
Biodegradability: Inoculum: activated sludge, non-adapted
  Concentration: 28 mg/l
  Result: Readily biodegradable.
  Biodegradation: > 80 %
  Exposure time: 28 d
  Method: OECD Test Guideline 301B
  GLP: yes

Bioaccumulative potential

Product:
Bioaccumulation: Remarks: no data available

Mobility in soil

Product:
Distribution among environmental compartments: Remarks: no data available
Other adverse effects

**Product:**
- Environmental fate and pathways: Remarks: no data available
- Additional ecological information: The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**
- Waste Code: NONE
- Waste from residues: Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Contaminated packaging: Regulations concerning reuse or disposal of used packaging materials must be observed.

SECTION 14. TRANSPORT INFORMATION

**DOT** not restricted
**IATA** not restricted
**IMDG** not restricted

SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**
This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** Acute Health Hazard

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Water Act
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

The components of this product are reported in the following inventories:
TSCA: On TSCA Inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISH - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative
Further information

NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special hazard.

Observe national and local legal requirements
None known.

Revision Date: 08/24/2017

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