SECTION 1. IDENTIFICATION

Product name : AccuStart Long Range SuperMix

Manufacturer or supplier's details

Company : QIAGEN Beverly, LLC.
100 Cummings Center
Suite 407J
Beverly, MA 01915
USA

Telephone : + 1 800 364-2149

Responsible Department : 

E-mail address : cpc@qiagen.com

Emergency telephone : CHEMTREC
USA & Canada 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Laboratory chemicals

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substance / Mixture | Mixture |
| Substance name      | AccuStart Long Range SuperMix |

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>poly(ethylene glycol)</td>
<td>25322-68-3</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td>glycerol</td>
<td>56-81-5</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice : Show this material safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
If symptoms persist, call a physician.
In case of skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

In case of eye contact: Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No information available.

Notes to physician: No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during fire fighting: Exposure to decomposition products may be a hazard to health.

Hazardous combustion products: Carbon oxides
Nitrogen oxides (NOx)
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Specific extinguishing methods: In the event of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Materials to avoid: Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters
**SAFETY DATA SHEET**

**AccuStart Long Range SuperMix**

Version 4.0  Revision Date 11/10/2020  Print Date 05/03/2021

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>poly(ethylene glycol)</td>
<td>25322-68-3</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US WEEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (aerosol)</td>
<td>10 mg/m³</td>
<td>US WEEL</td>
</tr>
<tr>
<td>glycerol</td>
<td>56-81-5</td>
<td>TWA (mist, respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (mist, total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Total)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist - total dust)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist - respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

**Personal protective equipment**

**Hand protection**

**Remarks**: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Eye protection**: Safety glasses

**Skin and body protection**: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals

**Hygiene measures**: Keep away from food and drink. When using do not eat, drink or smoke.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**: liquid

**Color**: colorless

**Odor**: No data available

**Odor Threshold**: No data available

**pH**: ca. 8.3

**Melting point/range**: No data available

**Boiling point/boiling range**: ca. 100 °C

**Flash point**: No data available

**Evaporation rate**: No data available

**Burning rate**: No data available
SAFETY DATA SHEET

AccuStart Long Range SuperMix

Version 4.0 Revision Date 11/10/2020 Print Date 05/03/2021

Upper explosion limit: No data available
Lower explosion limit: No data available
Vapor pressure: No data available
Relative vapor density: No data available
Relative density: No data available
Density: ca. 1.0 g/cm³

Solubility(ies)
- Water solubility: soluble
- Solubility in other solvents: No data available

Partition coefficient: n-octanol/water: No data available
Autoignition temperature: No data available
Decomposition temperature: No data available

Viscosity
- Viscosity, dynamic: No data available
- Viscosity, kinematic: No data available

Explosive properties: No data available
Oxidizing properties: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions:
- Stable under recommended storage conditions.
- Hazardous decomposition products formed under fire conditions.

Conditions to avoid: No data available
Incompatible materials: No data available
Hazardous decomposition products: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Product:

Acute oral toxicity: No data available
Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available
Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

**Ingredients:**

**Poly(ethylene glycol):**
- Acute inhalation toxicity: No data available
- Acute dermal toxicity: No data available

**Glycerol:**
- Acute oral toxicity: LD50 Oral (Rat): 12,000 mg/kg
- Acute dermal toxicity: LD50 Dermal (Rabbit): 10,000 mg/kg

**Skin corrosion/irritation**
- Not classified based on available information.

**Product:**
- Remarks:
  - May cause skin irritation in susceptible persons.

**Ingredients:**

**Glycerol:**
- Species: Rabbit
- Exposure time: 24 h
- Result: Mild skin irritation

**Serious eye damage/eye irritation**
- Not classified based on available information.

**Product:**
- Remarks:
  - May irritate eyes.

**Ingredients:**

**Glycerol:**
- Species: Rabbit
- Result: Mild eye irritation
- Exposure time: 24 h

**Respiratory or skin sensitization**

**Skin sensitization:** Not classified based on available information.
**Respiratory sensitization:** Not classified based on available information.

**Germ cell mutagenicity**
- Not classified based on available information.

**Carcinogenicity**
- Not classified based on available information.
  **IARC**
  - No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
  **OSHA**
  - No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
  **NTP**
  - No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
Reproductive toxicity
Not classified based on available information.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information
No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

**Product:**
- Toxicity to fish: No data available
- Toxicity to algae: No data available
- Toxicity to bacteria: No data available

**Ingredients:**
- **poly(ethylene glycol):**
  - Toxicity to fish: (Leuciscus idus (Golden orfe)): > 500 mg/l  
  - Exposure time: 96 h  
  - Test Type: static test
- **glycerol:**
  - Toxicity to fish: LC0 (Leuciscus idus (Golden orfe)): > 250 mg/l  
  - Exposure time: 48 h

Persistence and degradability
No data available

Bioaccumulative potential

**Product:**
- Bioaccumulation: No data available

Mobility in soil
No data available

Other adverse effects

**Product:**
- Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82  
  Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
  Remarks: This product neither contains, nor was
SAFETY DATA SHEET

AccuStart Long Range SuperMix

Version 4.0  Revision Date 11/10/2020  Print Date 05/03/2021

manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No data available

Domestic regulation

49 CFR
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

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

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.

US State Regulations

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.