

**Material Safety Data Sheet**

Version No.: 2.0(Rev. date : 2020-06-19)

**AccuRapid™ Enzyme Mix**

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**1. Product and company identification**

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**Product Name** : AccuRapid™ Enzyme Mix**Recommended Use** : For Research Use Only Supply**Information** Company : Bioneer Address : 8-11 Munpyeongseo-ro, Daedeok-gu, Daejeon 34302, Republic of KoreaEmergency telephone number : 82-42-930-8777

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**2. Hazards identification**

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**GHS-Classification**

Not a hazardous substance or mixture.

**Pictogram**No information available.

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**3. Composition/information on ingredients**

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**Chemical characterization**

CAS No	Component name	Weight (%)
56-81-5	Glycerol	10~30

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**4. First aid measures**

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- Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes.
  - Skin Contact : Rinse thoroughly with plenty of water for at least 15 minutes.

Remove contaminated clothing.

- Inhalation : Move to fresh air. If breathing is difficult, give oxygen.
- Ingestion : Rinse around the mouth with water.

Get medical attention if irritating or symptoms occur.

- The most important acute and delayed symptoms/effects : Not information available.
  - Notes to Physician : Not information available.
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## 5. Fire-fighting measures

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- Suitable Extinguishing Media : Water-spray, carbon dioxide, extinguishing powder or foam.
  - Flammable Properties : No information available.
  - Protective equipment and Precautions for Firefighters : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
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## 6. Accidental release measures

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- Personal Precautions : Use proper personal protective equipment as indicated in Section 8.
  - Environmental precautions : Do not allow entering sewers, surfaces or ground water.
  - Methods for cleaning up : Sweep up or absorb material, then place it into container for disposal. Wash spill site after material pickup is complete.
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## 7. Handling and storage

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- Handling : No special measures necessary. Good laboratory technique should be used when handling.
  - Storage : Store at -20 °C
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## 8. Exposure controls / personal protection

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- Chemical exposure limits, biological exposure limits etc. : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Engineering Measures : No data available.
  - Personal Protective Equipment
  - Respiratory Protection : Wear respiratory mask.
  - Eye/Face Protection : Safety goggles (glasses)
  - Skin Protection : Wear Chemical Safety gloves.
  - Body Protection : Wear protective clothes.
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## 9. Physical and chemical properties

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- Appearance : liquid
  - Odor : No information available
  - Odor threshold : No information available
  - pH : No information available
  - Melting point/Freezing point : No information available
  - Initial boiling point/range : No information available
  - Flash point : No information available
  - Evaporation rate : No information available
  - Flammability (Solid, Liquid) : No information available
  - Flammability Limits upper/lower : No information available
  - Vapor pressure : No information available
  - Solubility : No information available
  - Vapor density : No information available
  - Viscosity : No information available
  - n-octanol/water : No information available
  - Autoignition temperature : No information available
  - Decomposition temperature : No information available
  - Specific gravity : No information available
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- Molecular weight : No information available
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## 10. Stability and Reactivity

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- Stability : Stable under normal handling and storage conditions.
  - Possibility of harmful response : No information available
  - Conditions to avoid (electric discharge, impact, vibration etc.) : No information available
  - Material to avoid : strong oxidants, fire
  - Hazardous Decomposition Products : No information available
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## 11. Toxicological information

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- Principle routes of exposure
    - Respiratory: No information available.
    - Dermal : No information available.
    - Eye/Skin : No information available.
  - Health effects
    - Acute toxicity : No data available.
    - skin corrosive or irritant : Can be skin irritation.
    - Serious eye damage or irritant : Can be eye irritation.
    - Respiratory irritability : No data available
    - Skin irritability : No data available
    - Carcinogenicity : No data available
    - Germ cell mutagenicity : No data available
    - Reproductive toxicity : No data available
    - Specific target organ toxicity (single exposure) : No data available
    - Specific target organ toxicity (repeated exposure) : No data available
    - Aspiration Hazard : No data available
  - Numerical measures of toxicity(Acute toxicity estimates etc.) : No data available
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## 12. Ecological information

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- Ecotoxicity effects: No data available
  - Residual and degradability : No data available
  - Bioaccumulation : No data available
  - Mobility : No data available
  - Other harmful effects : No data available
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## 13. Disposal considerations

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- Waste disposal method : Burn the material in a chemical incinerator equipped with an after burner and scrubger.
  - Contaminated packaging : Dispose contents and vessel in accordance with regulation by the waste disposal law
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## 14. Transport information

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- Not regulated in the meaning of transport regulations.
    - IMDG : Non-hazardous for sea freight.
    - ADR : Non-hazardous for road transport.
    - RID : Non-hazardous for rail transport.
    - ICAO/IATA : Non-hazardous for air transport.
  - UN Number : Not applicable
  - UN Proper Shipping Name : Not applicable
  - Transport hazard class : Not applicable
  - Packing group : Not applicable
  - Marine pollutant : Not applicable
  - The special vehicle Safety measures : Not applicable
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## 15. Regulatory information

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- Regulation by Industrial safety and health act : Not information available
  - Regulation by chemicals control act : Not information available
  - Regulation by Safety control of dangerous substance act : Not information available
  - Regulation by the waste control act : Not information available
  - Regulation by other domestic and foreign regulatory : Not information available
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16. Other information

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- Created : 2017-06-01
- Last updated : 2020-06-19

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