

Preparation Date 2021/02/17

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier G-aenial Universal Injectable
 Product Code 210121-3
 Name of Supplier GC Corporation
 Address 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan, Postal code 174-8585
 Company Contact Quality Assurance department
 Phone Number 81-3-3965-1388
 Fax Number 81-3-3965-1276
 Restriction on Use Prohibit use by anyone other than qualified dentistry.

Prohibit use for purposes other than those written in this product IFU.
 Surgeons / patients who have a rash, dermatitis, or other hypersensitivity to this product should discontinue use and seek medical attention immediately.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification of the Chemical

Environmental Hazards Hazardous to the aquatic environment, short-term (acute) Category 3
 Hazardous to the aquatic environment, long-term (chronic) Category 3
 Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements Hazard Statements H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention Avoid release to the environment.(P273)
 Disposal Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture Mixture

| Chemical Name or Generic Name | Concentration or Its Ranges | Formula | ENCS No./ISHL No. | | CAS RN |
|-------------------------------|-----------------------------|--------------|-------------------|--------------|--------------|
| | | | ENCS No. | ISHL No. | |
| Barium glass | 65-75% | Confidential | Confidential | Confidential | Confidential |
| Methacrylate monomer | 25-35% | Confidential | Confidential | Confidential | Confidential |
| Silica | Confidential | Confidential | Confidential | Confidential | Confidential |
| Colorant | Confidential | Confidential | Confidential | Confidential | Confidential |
| Initiator | Confidential | Confidential | Confidential | Confidential | Confidential |

Section 4 – FIRST AID MEASURES

Inhalation Call a doctor if you feel unwell.
 Skin Contact IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice and attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Rinse mouth.
IF SWALLOWED: Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media

When dust occurs, use dry sand.
No information available

Specific Hazards in Case of Fire

Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.

Specific Fire Fighting

Fight fire from upwind position if possible
Keep away from sources of ignition and use appropriate extinguishing media.
Prohibit unauthorized staff from entering the area around the fire.
Keep unnecessary people away.

Special Protective Equipment and Precautions for Fire

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Environmental Precautions

Large spills :Evacuate area.
Ensure adequate ventilation.
Do not discharge into the drains, surface waters or ground water directly.

Methods and Equipment for Containment and Cleaning Up

Sweep or vacuum spills to drums or containers.

Prevention Measures for Secondary Accidents

Keep away from sources of ignition and prepare extinguishing media.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Please comply with this section and the contents of this product IFU.

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Prevents Handling of Incompatible Substances or

Refer to "Section 10 – STABILITY AND REACTIVITY".

Storage

Conditions for Safe Storage

Refer to "Section 10 – STABILITY AND REACTIVITY".

Store in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| | | |
|-------------------------------|--------------------------|--|
| Engineering Controls | | Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. |
| Personal Protective Equipment | Respiratory Protection | If necessary, wear respiratory protection. |
| | Hand Protection | If necessary, wear protective gloves. |
| | Eye/Face Protection | If necessary, wear protective eye protection. |
| | Skin and Body Protection | If necessary, wear protective clothing. |

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|-------------|--------------------|
| Physical State | | solid |
| Form | | paste |
| Colour | | yellow |
| Odour | | monomer odor |
| Melting Point/Freezing Point | | No data available |
| Boiling Point or Initial Boiling Point and Boiling Ranges | | No data available |
| Flammability | | No data available |
| Lower and Upper Explosion Limit / Flammability Limit | Lower Limit | No data available |
| | Upper Limit | No data available |
| Flash Point | | No data available |
| Auto-Ignition Temperature | | No data available |
| Decomposition Temperature | | No data available |
| pH | | No data available |
| Kinematic Viscosity | | No data available |
| Solubility | | Insoluble in water |
| Partition Coefficient : n-Octanol/Water | | No data available |
| Vapour Pressure | | No data available |
| Density and/or Relative Density | | No data available |
| Relative Gas Density | | No data available |
| Particle Characteristics | | No data available |

Section 10 – STABILITY AND REACTIVITY

| | | |
|-------------------------------------|--|--------------------------|
| Reactivity | | No information available |
| Chemical Stability | | No information available |
| Possibility of Hazardous Reaction | | No information available |
| Conditions to Avoid | | No information available |
| Incompatible Substances or Mixtures | | No information available |
| Hazardous Decomposition Products | | No information available |

Section 11 – TOXICOLOGICAL INFORMATION

| | | |
|--|------------|---|
| Acute Toxicity | Oral | Unable to classify |
| | Dermal | Unable to classify |
| | Inhalation | (gas) Does not fall under gas based on GHS definitions. |
| | | (vapour) Unable to classify (dust and mist) Unable to classify Unable to classify Unable to classify |
| Skin Corrosion/Irritation | | Unable to classify |
| Serious Eye Damage/Eye Irritation | | Unable to classify |
| Respiratory Sensitization | | Unable to classify |
| Skin Sensitization | | Unable to classify |
| Germ Cell Mutagenicity | | Unable to classify |
| Carcinogenicity | | Unable to classify |
| Reproductive Toxicity | | (Reproductive toxicity) Unable to classify (Reproductive toxicity, effects on or via lactation) |
| | | Unable to classify |
| Specific Target Organ Toxicity (Single Exposure) | | Unable to classify |
| | | Unable to classify |
| Specific Target Organ Toxicity (Repeated Exposure) | | Unable to classify |
| Aspiration Hazard | | Unable to classify |

Section 12 – ECOLOGICAL INFORMATION

| | |
|---|--------------------|
| Hazardous to the Aquatic Environment, Short-Term (Acute) | Category 3 |
| Hazardous to the Aquatic Environment, Long-Term (Chronic) | Category 3 |
| Ecotoxicity | No data available |
| Persistence | No data available |
| Bioaccumulative Potential | No data available |
| Mobility in Soil | No data available |
| Hazardous to the Ozone Layer | Unable to classify |

Section 13 – DISPOSAL CONSIDERATIONS

| | |
|--------------------------------------|---|
| Residual Waste | Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes. |
| | Dispose of waste in accordance with local, state and federal regulations. |
| Contaminated Container and Packaging | Passed to a licensed waste contractor. |
| | In case of disposal of empty containers, remove the content thoroughly. |

Section 14 – TRANSPORT INFORMATION

| | | |
|------------------------------------|---|---|
| International Regulations | Regulatory Information by Sea Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code | Not regulated Not applicable applicable |
| Regulations in Japan | Regulatory Information by Air Regulatory Information by Road Regulatory Information by Sea Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code | Not regulated Not regulated Not regulated Not applicable applicable |
| Emergency Response Guide Number | Regulatory Information by Air | Not regulated None |

Section 15 – REGULATORY INFORMATION

It is recommended to consult the local regulations of the state/region to determine the identification as hazardous material.

Section 16 – OTHER INFORMATION

Information Contact
Other Property

Described in item 1
The information herein is given in good faith, but no warranty expressed or implied, is made.