Next Advance, Inc.
2113 State Highway 7
Troy, NY 12180, US
info@nextadvance.com

Safety Data Sheet
Soda lime glass

NEXT ADVANCE
Innovative Lab Products for the Life Sciences

SECTION 1: Chemical Product and Company Identification

MSDS name: Soda lime glass
Product form: Glass beads
Product name: GB05 (Standard/RNase Free)
Company identification: Next Advance, Inc. 2113 State Highway 7 Troy, NY 12180 USA www.nextadvance.com
For information, call: 518-674-3510
Emergency number: 518-674-3510
For CHEMTREC assistance, call: US:001-800-424-9300 / Europe:001-703-527-388
For Emergency, call: US:001-201-796-7100 / Europe: +32 14 57 52 99

SECTION 2: Composition, Information on Ingredients

CAS#	EG-No. (EINECS)	Chemical name	Percent by weight
7631-86-9	231-545-4	Silicon dioxide SiO_2	~72.30 %
1313-59-3	215-208-9	Sodium oxide Na_2O	~13.30 %
1305-78-8	215-138-9	Calcium oxide CaO	~8.90 %
1309-48-4	215-171-9	Magnesium oxide MgO	~4.00 %

SECTION 3: Hazards Identification

Emergency Overview: None
OSHA Regulatory Status: None
Potential Health Effects: Glass and nuisance dust may cause temporary respiratory and/or eye irritation. Possible contact dermatitis. Slipping hazard can be present when spilled on floor.
Potential Environmental Effects: None

SECTION 4: First Aid Measures

General Advice: Remove soiled Clothes
After Inhalation: Provide fresh air.
After Skin Contact: Clean Skin with water and soap.
After Eye Contact: Remove particle carefully from the affected eye. If need be, remove contact lense. Rinse eye thoroughly with plenty of water. Consult a physician if needed.
After Swallowing: Consult a physician after swallowing large quantities.
Advise to the physician: Decontamination and symptomatic treatments are in most cases sufficient
Information on immediate medical help or special treatment: Dusty parts of the product may irritate skin, mucous membranes, eyes and respiratory tract. Decontamination and symptomatic treatments are in most cases sufficient.

SECTION 5: Fire-fighting Measures

Suitable extinguishing agents: The product itself is neither combustible nor explosive. Extinguishing agents have to be coordinated with the surrounding fire.

SECTION 6: Accidental Release Measures

Personal protection: Avoid formation of dust. Do not inhale any dust.
Environmental measures: It is not necessary to take actions in respect of product.
Methods and materials for retention and cleaning: Sweep up the product and pick it up. Avoid dust formation during cleaning.

SECTION 7: Handling and Storage

Handling	No special precautions are needed, but gloves reduce the chance of contact dermatitis, glasses reduce possibility of eye irritation, and a dust mask reduces the effects of nuisance dust.
Storage	Store in ambient conditions

SECTION 8: Exposure Controls/ Personal Protection

Engineering Controls: An on-site extraction system is required in the event of gathered dust and thermal pollution from the product.
Personal Protection: Use respiratory protection in the event of dust exposure. Protective gloves are generally not required. However, for constant skin contact it is necessary to use gloves of low mechanical and special material demands. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.
Exposure Limits:
General dust limit ---- ---- 10 mg/m³ E 3 mg/m³ A Limit at work (AGW) according to the TRGS 900 Regulation
Silica, amorphous (Silicon dioxide) 7631-86-9 231-545-4 4 mg/m³ E Limit at work (AGW) according to the TRGS 900 Regulation

SECTION 9: Physical and Chemical Properties

Physical state and appearance: Solid. Glass beads appear to be white in color.
Odor: Odorless.
Taste: Tasteless.
pH value: Non-applicable
Melting point: 1446 °C
Softening point (Littleton point): 734 °C ($10^{7,65}$ dPas)
Transformation temperature: 549 °C
Self-ignition point (Solid/Gas): Non-applicable
Blaze properties: Non-applicable
Risk of explosion: Non-applicable
Vapor pressure: Non-applicable
Specific weight: 2.50 kg/l
Bulk density: 1.13 – 1.52 kg/l (dependent upon diameter)
Water solubility: Insoluble in water
Partition coefficient n-Octanol/water: Non-applicable
Viscosity: Non-applicable
Vapor density: Non-applicable
Evaporation speed: Non-applicable

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SECTION 10: Stability and Reactivity

Stability: The product is stable.
Hazardous Decomposition Products: Not applicable.
Chemical resistance according to the DIN norm:
Hydrolytic class: HGB 3 (DIN ISO 720)
Acidic class: S 1 (DIN 12116)
Alkaline class: A 1 (DIN ISO 695)

SECTION 11: Toxicological Information

There is no toxicological data available.

SECTION 12: Ecological Information

Ecotoxicity: Not available.

SECTION 13: Disposal Considerations

The product does not generate any waste that is subject to monitoring in accordance with Regulation (EU) No. 1357/2014. For disposal, national laws and local regulations must be observed.

SECTION 14: Transport Information

Non-hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

SECTION 15: Regulatory Information

None.

SECTION 16: Other Information

The information and recommendations herein are based upon data believed to be correct for material as shipped. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.