

ASHINE INDUSTRIES INC.

Telephone: 1-888 253 0881

MATERIAL SAFETY DATA SHEET

DATE: Jan. 01, 2018

I PRODUCT NAME

GLASS, GLASS BEADS, SODIUM ALUMINUM SILICATE GLASS

COMPOSITION

CHEMICAL NAME	SODA LIME TYPE GLASS
APPROXIMATE %	>99% GLASS OXIDE
SiO ₂	72% - 75%
Na ₂ O	13% - 15%
CaO	7% - 10%
MgO	3% - 4%
Al ₂ O ₃	0.5% - 2%
COMMON NAME	GLASS BEADS
REGULATION (Y/N)	Yes, Materials are regulated by OSHA 29 CFR 1910.1200
CAS#	65997-17-3
P.E.L. (mg/m ³)	15
TLV(mg/m ³)	10
CARCIN(Y/N)	No
All ingredients are listed under TSCA	

II PHYSICAL AND CHEMICAL DATA

BOILING POINT	N/A
MELTING POINT	730°C
SPECIFIC GRAVITY	2.9 g/cc
VAPOR PRESSURE	N/A
% VOLATILE BY VOLUME	N/A
VAPOR DENSITY	N/A
EVAPORATION RATE	N/A
SOLUBILITY IN WATER	NONE
ALCOHOL SOL	NONE
SOLUBILITY IN OTHER SOLVENT	N/A
APPEARANCE AND ODOR	Granular, transparent, no odor

III FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	N/A
FLAMMABLE LIMITS	LEL N/A, UEL N/A
EXTINGUISHING MEDIA	Compatible with all extinguishing media
SPECIAL FIRE FIGHTING PROCEDURES	Slippery when stepped on
EXPLOSION POTENTIAL	NONE

IV CORROSIVITY AND REACTIVITY DATA

STABILITY	Stable
POLYMERIZATION	Will not occur
INCOMPATIBILITY(MATERIALS TO AVOID)	Dissolves in hydrofluoric acid
DECOMPOSITION PRODUCTS	NA
CONDITIONS TO BE AVOIDED	None

V HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTES OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
Inhalation	Acute: may cause coughing, shortness of breath	Remove to fresh air, apply artificial respiration as needed, Obtain first aid or medical assistance
Ingestion	No known adverse effects, but ingestion not recommended	Obtain first aid or medical assistance if needed
Skin contact & absorption	Not absorbed through skin; may cause irritation	Obtain first aid or medical assistance if needed
Eye	May irritate eyes	Wash with large amounts of water; obtain medical assistance if needed
Other potential health risks	None known	N/A

VI TRANSPORTATION, STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Handle with adequate ventilation for nuisance dust, see OSHA 19CFR1910.94(Ventilation) and 29CFR1910.1000(Air contaminants)
NORMAL USE: same as above
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Wear rubber boots with slip-resistant soles, Normal cleanup procedures, Respirators may be required
WASTE DISPOSAL METHOD: Standard landfill methods consistent with applicable law
DOT UN STATUS: This material is not regulated hazardous material for transportation

VII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION(SPECIFY TYPE):	As needed, approved dust respirator, See OSHA 29CFR1910.34
VENTILATION	Local: Recommended Mechanical(General): Recommended Other: No applicable information found
PROTECTIVE GLOVES	As desired by user
EYE PROTECTION	Recommended. See OSHA 29CFR1910.133
OTHER EQUIPMENT	No applicable information found
MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT	Same as operational

VIII SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Under section 25249.6 of the California safe drinking water act, we are required to identify trace amounts of thorium oxide in our products. These products contain thorium oxide in amounts below the reporting requirements of the Federal Hazard Communication Standard and the Nuclear Regulatory Commission
OTHER PRECAUTIONS: No applicable information found

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