

# MATERIAL SAFETY DATA SHEET

## FOR SODA LIME GLASS

TO THE PURCHASER: THIS MSDS CONTAINS IMPORTANT ENVIRONMENTAL, HEALTH AND TOXICOLOGY INFORMATION FOR YOUR EMPLOYEES WHO HAVE ORDERED THIS PRODUCT. PLEASE BE SURE THIS INFORMATION IS GIVEN TO THEM. IF YOU RESELL THIS PRODUCT, A COPY OF THE MSDS SHOULD BE GIVEN TO THE BUYER.

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### SECTION 1

PRODUCT NAME: GLAS-SHOT®, MICROBEADS®, MACROBEADS®, MICROPERL®, GLASS BEADS, PAVEMENT BEADS, MIL SPEC BEADS, AND CRUSHED GLASS (CULLET), GLASS POWDER

CHEMICAL ABSTRACT SERVICE NUMBER: 65997-17-3

HMIS: HEALTH 0

FLAMMABILITY: 0

REACTIVITY: 0

### SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS

NUISANCE DUST

NUISANCE DUST RESPIRABLE

OSHA  
PEL

15 MG / M<sup>3</sup>

5 MG / M<sup>3</sup>

ACGIH  
TLV

10 MG / M<sup>3</sup>

5 MG / M<sup>3</sup>

NOTE: SODA-LIME PLATE GLASS IS USED IN THE MANUFACTURE OF GLASS BEADS. THE COMPOSITION OF THIS MATERIAL IS AN AMORPHOUS FUSION OF THESE OXIDES AND ARE NOT CRYSTALLINE TYPES OF FREE OXIDES (SILICA). THEREFORE, NO DANGER OF SILICOSIS EXIST.

### SARA TITLE III – INFORMATION

THIS PRODUCT IS NOT AN EXTREMELY HAZARDOUS MATERIAL ACCORDING TO FEDERAL REGISTER, VOL. 51, NO. 221 PP 41582-41594. IT IS NOT ON THE TOXIC CHEMICALS LISTED IN COMMITTEE PRINT NUMBER 99-169 AND IS NOT A HAZARDOUS SUBSTANCE IDENTIFIED ON THE LIST OF CERCLA CHEMICALS.

### SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT – NOT MEASURABLE

VAPOR PRESSURE – N/A

VAPOR DENSITY – N/A

SOLUBILITY IN WATER – N/A

APPEARANCE AND ODOR – WHITE, TASTELESS, ODORLESS

SPECIFIC GRAVITY – 2.4 – 2.6 G / CM<sup>3</sup>

MELTING POINT – ABOVE 1100° F

EVAPORATION RATE – N/A

## **SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT – N/A

FLAMMABLE LIMITS – DOES NOT IGNITE

EXTINGUISHING MEDIA – NOT A FIRE HAZARD

LEL – N/A UEL – N/A

SPECIAL FIRE FIGHTING PROCEDURES – NOT REQUIRED

UNUSUAL FIRE AND EXPLOSION HAZARDS – NONE

## **SECTION V – REACTIVITY DATA**

STABILITY – STABLE

CONDITIONS TO AVOID – N/A

INCAPABILITY (MATERIALS TO AVOID) – CONCENTRATED HYDROFLUORIC ACID

HAZARDOUS DECOMPOSITION OR BY PRODUCTS – N/A

HAZAROUS POLYMERIZATION – WILL NOT OCCUR

CONDITIONS TO AVOID – NONE

## **SECTION VI – HEALTH HAZARD DATA**

ROUTES OF ENTRY – INHALATION , INGESTION

HEALTH HAZARDS – NONE

CARCINOGENICITY – THIS PRODUCT IS NOT LISTED AS A POTENTIAL CARCINOGEN IN EITHER THE NTP, IARC, OR OSHA.

SIGNS AND SYMPTOMS OF EXPOSURE – OVEREXPOSURE MAY CAUSE TEMPORARY RESPIRATORY AND EYE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE – OVEREXPOSURE CAN AGGRAVATE EXISTING RESPIRATORY CONDITIONS AND EYE IRRITATION.

EMERGENCY AND FIRST AID PROCEDURES – IF BEADS OR DUST CAUSE EYE IRRITATION, FLUSH THE AFFECTED EYE(S) WITH WATER OR COMMERCIAL EYE WASH. IF UNABLE TO REMOVE BEAD / DUST BY THIS METHOD, SEEK MEDICAL CARE. IF EXISTING REPIRATORY CONDITIONS ARE AGGRAVATED IN YOUR USE OF THIS PRODUCT, GET TO A WELL VENTILATED AREA. SEEK MEDICAL ATTENTION IF CONDITION IS NOT ALIEVIATED.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED – VACUUM OR SWEEP UP EXCESS MATERIAL TO AVOID A POSSIBLE SLIPPING HAZARD.

WASTE DISPOSAL METHOD – GLASS BEADS ARE CONSIDERED TO BE NON-HAZARDOUS BY THE EPA UNDER 29CFR 1910.1200, AND IF DISPOSED AS WASTE, THE RCRA STATUS OF UNUSED MATERIAL IS NON-HAZARDOUS ACCORDING TO THE LIST OF CERCLA CHEMICALS. IF PERMITTED BY APPLICABLE FEDERAL, STATE AND LOCAL REGULATION, GLASS BEADS CAN BE DISPOSED OF IN A SOLID WASTE LANDFILL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – NONE

OTHER PRECAUTIONS – NONE

## **SECTION VII – CONTROL MEASURES**

RESPIRATORY PROTECTION – USE NIOSH APPROVED DUST RESPIRATOR

VENTILATION – LOCAL EXHAUST – AS REQUIRED FOR NUISANCE DUST

MECHANICAL – AS REQUIRED FOR NUISANCE DUST

PROTECTIVE GLOVES – AS REQUIRED PER JOB

EYE PROTECTION – SAFETY GLASSES / GOGGLES FOR DUST

OTHER PROTECTION CLOTHING OR EQUIPMENT - NONE