

SAFETY DATA SHEET

NAME OF PRODUCT: ORTHOGLO™ GLITTER

FILE NO.: SDS618

SDS DATE: 01/02/2015

SECTION 1: IDENTIFICATION

PRODUCT NAME: ORTHOGLO GLITTER
PRODUCT CODES: 0921618, 0921619
IDENTIFIED USES: Dentistry
USES ADVISED AGAINST: Non-dental use
MANUFACTURER: Harry J. Bosworth Company
ADDRESS: 7227 North Hamlin Avenue, Skokie, Illinois 60076-3999, USA
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 352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Carcinogenicity (Category 2)
 Specific target organ toxicity - repeated exposure (Category 2)
LABELING: FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.
PICTOGRAM:



SIGNAL WORD: Warning
HAZARD STATEMENTS: H351 Suspected of causing cancer.
 H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
PRECAUTIONARY STATEMENTS: P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P234 Keep only in original container.
 P235+P410 Keep cool. Protect from sunlight.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P330 IF SWALLOWED: Rinse mouth.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P321 Specific treatment (see supplemental first aid instructions on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P391 Collect spillage.
 P402 Store in a dry place.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Mica	12001-26-2	100	20 mppcf	3 mg/m ³	N/A
Quartz	14808-60-7	< 1.0	(30 mg/m ³)/(%SiO ₂ +2) (T); (10 mg/m ³)/(%SiO ₂ +2) (R)	0.025 mg/m ³	Carc. 2; STOT RE 2; H351, H373

For full text of H-statements mentioned in this section, see section 16.

SECTION 4: FIRST-AID MEASURES

INHALATION: Move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention.
SKIN: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
PREPARED BY: SS



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EYE: Flush eyes with water for 15 minutes as a precaution. Get medical attention if irritation develops and persists.
INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of silicon and carbon.
SPECIAL HAZARDS: No further relevant information available.
ADVICE FOR FIREFIGHTERS: Avoid extinguishing methods which may generate dust clouds. Wear self contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
CONTAINMENT AND CLEANUP: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from foodstuffs, beverages and animal feed.
CONDITIONS FOR SAFE STORAGE: Store only in the original package. Keep container tightly closed in a dry and well-ventilated place. Protect from heat and direct sunlight. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source. Provide eyewash and safety shower if contact or splash hazard exists. Wash hands before breaks and at the end of work.
EYE/FACE PROTECTION: Safety glasses.
SKIN PROTECTION: Glove material impermeable and resistant to the product.
BODY PROTECTION: Protective work clothing.
RESPIRATORY PROTECTION: NIOSH (US) or CEN (EU) approved respirators and components.
ENVIRONMENTAL EXPOSURE: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/COLOR: Silver or gold flakes
ODOR: Negligible
pH: Approximately 9
RELATIVE DENSITY (H₂O=1.0): 2.60 – 2.80 g/cm³
WATER SOLUBILITY: Negligible

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.
HAZARDOUS REACTIONS: No further relevant information available.
CONDITIONS TO AVOID: Open flames and sparks. Extreme heat.
INCOMPATIBLE MATERIALS: Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of silicon and carbon.

SECTION 11: TOXICOLOGICAL INFORMATION



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POTENTIAL HEALTH EFFECTS:

EYES: May cause eye irritation with redness, tearing and stinging.

SKIN: May cause skin irritation with redness, swelling and itching.

INGESTION: May be harmful if swallowed. May cause mucous membrane and gastrointestinal irritation.

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation. Prolonged inhalation may result in irritation, cough, weight loss, difficulty breathing, lung damage, and cancer.

CARCINOGENICITY:

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or possible carcinogen by OSHA.

ACGIH: Quartz is identified as a suspected human carcinogen by ACGIH.

NTP: Quartz is identified as a known human carcinogen by NTP.

IARC: Quartz is identified as a human carcinogen by IARC.

SECTION 12: ECOLOGICAL INFORMATION

ADVERSE EFFECTS:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

CONTAMINATED PACKAGING:

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER:

N/A

PROPER SHIPPING NAME:

N/A

HAZARD CLASS:

N/A

PACKING GROUP:

N/A

LABEL STATEMENT:

N/A

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA:

This product is an FDA regulated device and not subject to TSCA regulations.

CERCLA:

This product is an FDA regulated device and not subject to reporting requirements. There may be specific reporting requirements at the local, regional, or state level.

SARA 313 TOXIC CHEMICALS:

The following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR 372): *None*.

SARA 311/312 HAZARDS:

This product is an FDA regulated device and not subject to reporting requirements.

US STATE REGULATIONS

CALIFORNIA PROPOSITION 65:

This product may contain a chemical known to the State of California to cause cancer and/or reproductive toxicity.

INTERNATIONAL REGULATIONS

CANADIAN ENVIRONMENTAL

PROTECTION ACT:

This product is a medical device and not subject to chemical notification requirements.

EUROPEAN INVENTORY OF EXISTING

COMMERCIAL CHEMICAL SUBSTANCES

(EINECS):

This product is a medical device and not subject to chemical notification requirements.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Carc.

Carcinogenicity

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PAGE 3 OF 4



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H351

Suspected of causing cancer.

H373

May cause damage to organs through prolonged or repeated exposure.

STOT RE

Specific target organ toxicity – repeated exposure

NFPA RATING

Health Hazard

1

Fire Hazard

0

Reactivity Hazard

0

PREPARATION INFORMATION: This SDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth Company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.