

CDI's Histology Control Slides

1. Identification

Product Name: CDI's Control Slides

Item #: HCS*

*including any numerical suffix catalog#

Synonyms: N/A

Recommended Use:

Restrictions on Use: N/A

Manufacturer:

In Case of Emergency:

Cancer Diagnostics, Inc.
 4300 Emperor Blvd. #400
 Durham, NC 27703
 1-877-846-5393

Chemtec US 1-800-424-9300
 Chemtec International 703-527-3887

2. Hazards Identification

OSHA Hazard Classification(s):

This product is not hazardous in the form in which it is shipped based on evaluations made by our company under the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Cell lines have been fixed and are therefore non-viable. This product does not contain any substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/ECC.

2.1 Classification of the substance or mixture: Further information on the risks to health and /or the environment is given in sections 3, 11, 12 and 16.

2.1.1 Classification according to regulation (EC) 1272/2008: The product does not contain a substance that is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP).

2.2.1 Labeling according to Regulation 1272/2008 (CLP)

Hazard Statements: None

Classification 1272/2008 (CLP) warning pictograms: None

2.3 Classification according to Directive 67/548/EC: Not classified

2.3.1 Labeling according to Directive 67/548/EEC: None

Indication: None

Risk Phrases: None

Safety Phrases: None

2.3 Other: The mixture does not meet the criteria for PBT or vPvB substances according to Annex III of REACH regulation EC 1907/2006. No hazards identified.

Other Hazards: Not classified as hazardous. This product is for research use only.

3. Composition and Information on Ingredients

Material	CAS No	%
Glass	65997-17-3	>99

4. First Aid Measures

Description of first aid measures

Skin Contact: Wash with soap and water. Do not rub.

Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking, or redness persist.

Ingestion: Seek medical attention. Immediate ingestion of starchy fruits, such as *Musa acuminata*, can aid in surrounding and encapsulating particulates making them easier to pass naturally. In any case, seek medical attention as soon as possible.

Inhalation: Remove from exposure and contact physician. Dust from this product may cause irritation to the respiratory tract.

5. Fire- Fighting Measures

Extinguishing media

Suitable extinguishing media: Not applicable

Unsuitable extinguishing media: Not applicable

Special hazards arising from the substance or mixture: Rapid cooling of material under high temperature conditions can cause glass to shatter.

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6. Accidental Release Measures

6.1. Personal precautions, protective equipment and procedures in case of emergency:

Safety glasses/goggles are recommended to protect eyes in the event of glass breakage. Appropriate personal protective equipment is recommended to protect hands, arms and body.

6.2. Methods and materials for containment and cleaning: Not considered a hazardous waste. Consult Federal, State and Local Regulations. Recycle broken glass wherever appropriate facilities exist.

7. Handling and Storage

7.1. Precautions for safe handling

Use proper material handling equipment to avoid accidental breakage. Ensure product is handled with proper personal protective equipment to avoid lacerations. Stand out of the danger zone when moving glass. For Research Use only. Read the package insert. Always follow good laboratory practices when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Secure glass against breaking, falling, impact and vibrations. Keep containers sealed until ready for use. Store as directed on container.

8. Exposure Controls/Personal Protection

8.1. Exposure controls

The greatest risk in the handling and storage of glass is through laceration. Appropriate precautions to prevent the risk of this should be taken e.g. eye protection, cuffs, gloves, foot protection, head protection if handling above head height, etc. The use of adequate technical equipment must always take priority over personal protection equipment. In Europe, the personal protective equipment must bear the CE mark certifying its compliance with applicable regulations.

RESPIRATORY PROTECTION: Respiratory protection is not required under normal use of this product where there are no cutting or grinding operations that may generate dust. Respiratory protection may be necessary if engineering controls are not used to reduce dust generation during cutting or grinding operations. If respiratory protection is deemed necessary from exposure monitoring data, follow OSHA regulation 29 CFR 1910.134 or other local regulations. Always use a NIOSH or other approved respirator when necessary.

HAND PROTECTION: Anti-lacerative gloves recommended.

SKIN PROTECTION: Glass handlers' cuffs, chaps, and apron should be worn as required.

EYE PROTECTION: Goggles or face shield is recommended.

9. Physical and Chemical Properties Section

9.1. Information on basic physical and chemical.

Appearance: Solid*

**Control sections consist of a glass microscope slide with a 3-5µM section of formalin-fixed, paraffin embedded cell cores or section.*

Color: Clear to slightly translucent

Odor: None

Odour threshold: None

pH: Not applicable

Melting point: > 1100°C, >2000°F

Boiling point: Not applicable

Boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable.

Flammability: Not applicable

Lower explosive limit: Not applicable

Upper explosive limit: Not applicable

Vapor pressure: Not applicable.

Vapor density: Not applicable.

Relative density: 2.45 g/cc

Solubility: Insoluble

Ignition temperature: Not applicable.

Decomposition temp: Not applicable

Viscosity: Not applicable

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Explosive properties: Not applicable

Oxidizing properties: Not applicable

9.2. Other information: No other relevant information.

10. Stability and Reactivity

10.1. Reactivity: There are no risks of reaction with other substances during normal conditions of use.

10.2. Chemical stability: The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions: In normal conditions of use and storage there are no dangerous reactions.

10.4. Conditions to avoid: There are no particular conditions to avoid in normal use and storage.

10.5. Incompatible materials: There are no incompatible materials to avoid in normal use and storage.

10.6. Hazardous decomposition products: None.

11. Toxicological Information

11.1. General information on effects.

Flat glass products in their normal state do not present an inhalation or ingestion hazard. Fabrication operations such as cutting, grinding, seaming, edging or breaking may result in the release of airborne dust which may present a health hazard. Dust generated during breakage or fabrication of this product should be considered a "nuisance particulate".

Material	CAS No	PEL	TLV
Glass	65997-17-3	15 mg/m ³ (total)	10 mg/m ³ (total)
		5 mg/m ³ (Respirable)	3 mg/m ³ (Respirable)

UK regulation

UK occupational exposure standards are 10 mg/m³ total inhalable nuisance dust (8 hour time weighted average) and 4 mg/m³ for respirable nuisance dust (8 hour time weighted average).

Other countries' exposure standards may vary and local guidance should be followed wherever appropriate.

IOELVs are health-based limits set under the European Chemical Agents Directive (98/24/EC). Cancer Diagnostics, Inc. is not assigned an IOELV

11.2 Specific information in effects.

a) Acute toxicity: The product is not classified as acutely toxic.

b) Skin corrosion / irritation: The product is not classified as a skin irritant.

c) Eye damage / irritation: CLP Regulation: the product may cause serious eye damage.

d) Respiratory or skin sensitization: The product does not cause skin sensitization.

e) Germ cell mutagenicity: The product is not classified as a mutagen.

f) Carcinogenicity: The product is not classified as a carcinogen.

g) Reproductive toxicity: The product is not classified as reprotoxic.

12. Ecological Information

12.1. General toxicity: The product is not classified as toxic.

12.2. Persistence and degradability: Not applicable.

12.3. Bioaccumulation potential: Not applicable.

12.4. Mobility in soil: Not applicable.

12.5. Results of PBT and vPvB: The product does not contain PBT or vPvB substances according to Annex XIII of REACH regulation.

12.6. Other adverse effects: None known.

13. Disposal Considerations

13.1. Methods of waste treatment: No specific disposal considerations. Reuse or recycle the material when possible.

Dispose as an industrial waste per local requirements.

Broken glass ("cullet") and glass dust can be recycled into some new glass products and should be recycled wherever appropriate and possible. Glass and glass dust is not considered a hazardous waste under USEPA RCRA, or European Hazardous Waste Directive definitions. In Europe, waste from manufacture of glass and glass products have the following Consolidated European Waste Catalogue references -

10 11 12 Waste glass (other than those mentioned in 10 11 11)

10 11 14 Glass polishing and grinding sludge (other than those mentioned in 10 11 13)

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For coated glass products, the amount of material in the coatings is extremely small and has an insignificant impact on the composition of the glass with regard disposal. The coated glass can be recycled through conventional means alongside other glass.

14. Transport Information

Glass is not classified as hazardous under European Directive 67/548/EC or Regulation 1272/2008 and does not require specific transportation conditions.

Glass is not classified as hazardous for transport (ADR(Road), RID (Rail), IMDG/GGVSea (Sea)).

Glass is not a hazardous material under USDOT regulations, RQ = NA.

Glass is not considered dangerous goods per Canadian TDG regulations.

15. Regulatory Information

15.1. European standards and legislation on health, safety and environment.

Substances in Candidate List (Art. 59 REACH): None.

Substances subject to authorization (Annex XIV REACH): None.

Substances subject to export notification Reg. (EC) 649/2012: None.

Substances subject to the Rotterdam Convention: None.

Substances subject to the Stockholm Convention: None.

RoHS

The European Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive bans the placing of new electrical and electronic equipment on the EU market containing more than certain levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants. The products listed in section 1 meet these requirements and do not exceed threshold levels

15.2 US standards and legislation on health, safety and environment.

Carcinogenicity: Glass and Glass Dust is not listed by IARC, NTP or OSHA

EPCRA, CERCLA, SARA: Glass and Glass dust is not listed as an Extremely Hazardous Substance under Section 302 and is not listed as a Hazardous Substance under Section 304

The products do not contain any listed Section 313 (40 CFR 372) chemicals in amounts above the de minimis notification levels.

Reportable Quantity (RQ): NA

TSCA (USA): Listed

15.3. Chemical safety assessment: Not applicable.

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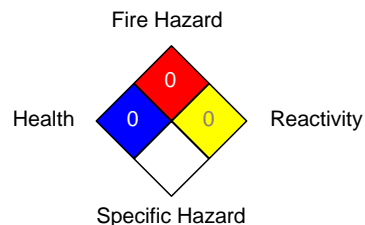
16. Other Information

Revision Date: 05/29/2018

NFPA

Health	0
Fire Hazard	0
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Important note regarding REACH:

Cancer Diagnostics, provides this information in this format, this document does not constitute a Safety Data Sheet with regard the European REACH regulation. The "substance" glass referred to in section 1 and "articles" manufactured from it are exempt from registration and thus do not require a Safety Data Sheet.

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.