

FROM : DIAMOND TECH INT'L

FTIES FAX NO. : 18138061988

Apr. 25 2002 11:27PM P2

Rev'd 4-25-02

\*HOT GLASS BEAD KIT\*

61155-1009

Bead Release

Material Safety Data Sheet

This Material Safety Data Sheet (MSDS) contains toxicology, industrial hygiene and environmental information. Please make sure that all users are provided with this information.

Material Name: Bead Release
Manufacturer: Hot Glass Beads
4521 PGA Blvd, #131
Palm Beach Gardens, FL 33418

Telephone #: Product Information 561 371-9021

Material

Powdered Silicates

Exposure Limits

2mg/m3 (RF) TWA-TVL for dust containing
No asbestos and <1% crystalline silica
15 mg/m3 (TD) TWA-PEL
5 mg/m3 (RF) TWA-PEL
10 mg/m3 (TD) TWA-PEL
TD = Total Dust
RF= respirable fraction

0.1 mg/m3 (RF) TWA-TVL
TWA-PEL (TD). 30 mg/m3 divided by
(% SiO2 + 2)

References

ACGIH 97
OSHA (29CFR1910)
OSHA (28CFR1810)
OSHA 89 (vacated)
Vacated PELs are not
federally enforceable
but may be in certain
states
ACGIH 97
OSHA (29CFR1910)

Hazards Identification:

Appearance and Odor: Grey odorless powder

Statement of Hazard: CAUTION

Acute Hazards:
\*May cause upper respiratory tract irritation
\*May irritate eyes, skin and mucous membranes
\*Avoid generating or breathing dust

Chronic Hazards:
\*Inhalation may cause delayed lung injury and lung cancer
1998 North American Emergency Response Guidebook: NA

Potential Exposure Routes: Eyes, skin contact, inhalation and, less likely, ingestion. Dust inhalation is typically the most significant exposure route. The degree of injury will depend first upon exposure dose, duration of exposure and speed and thoroughness of aid treatment.

Acute Effects:

-inhalation may irritate the respiratory tract and cause coughing and shortness of breath
-contact may irritate the eyes, skin and mucous membranes - primarily from friction
Non Carcinogenic Chronic Effects: Chronic inhalation may lead to emphysema, silicosis and pulmonary fibrosis
Cancer: One component of this product, crystalline quartz, is listed as a carcinogen or potential carcinogen by NTP and IARC. Crystalline silica is listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 list of chemicals known to cause cancer

Medical conditions generally aggravated by exposure: People with pre-existing respiratory conditions, especially chronic lung disease or emphysema or pre-existing kidney disorders, might be more sensitive.

First Aid Measures:

Flush skin and eyes with water. Remove contaminated clothing.

Follow OSHA respirator regulations (29 CFR 1910.134) when using, mixing and removing dry bead release.

Wear safety glasses or face shield to protect eyes from exposure to dry mix.

Use appropriate local ventilation

V-1268

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MSDS

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1/1/2002

**Physical and Chemical Properties:**

|                       |                      |                          |     |
|-----------------------|----------------------|--------------------------|-----|
| Appearance and Odor   | Grey odorless powder | Solubility in Water:     | Low |
| Boiling Point         | NDA                  | Volatiles (% by Volume): | 0   |
| Vapor Pressure:       | Essentially Zero     | Evaporation Rate         | NA  |
| Specific Gravity:     | NDA                  | Flash Point:             | NA  |
| Vapor Density (Air=1) | NA                   |                          |     |

**General:** This product will not polymerize. This product is stable.

**Ecological Information:**

**Ecotoxicity:** This product poses minimal risk to the environment.

**D.O.T. Proper Shipping Name:** Not regularized as a hazardous material

Section 311/312 Hazard Categories (40CFR 370): This product has been reviewed according to the EPA Hazard categories promulgated under Section 311 and 312 of SARA and is considered, under applicable definitions, to meet the following categories.

|                                    |     |
|------------------------------------|-----|
| Immediate (acute) health effects:  | No  |
| Delayed chronic health effects:    | Yes |
| Fire Hazard:                       | No  |
| Sudden release of pressure hazard: | No  |
| Reactivity Hazard:                 | No  |

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