

# Safety Data Sheet: Z-DISK CO

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Z-DISK CO  
**Recommended use** Abrasive  
**Information on Manufacturer**  
Trust-X by Partsmaster, Div of NCH Corp.  
P.O. Box 655326  
Dallas, TX 75265-5326

**Product Code** 87820000  
**Chemical nature** Inorganic solid blend  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300

## 2. HAZARD IDENTIFICATION

**Color** Red

**Physical State** Solid

**Odor** Odorless

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Carcinogenicity  
Other hazards  
None

Category 2  
Category 2B  
Category 1B

### Labeling

#### Signal Word

DANGER



#### Hazard Statements

H315 - Causes skin irritation  
H320 - Causes eye irritation  
H350 - May cause cancer

#### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P281 - Use personal protective equipment as required  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P342 + P311 - If experiencing respiratory symptoms, call a physician

100 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component            | CAS-No     | Weight % |
|----------------------|------------|----------|
| Ceramic microspheres | 66402-68-4 | 15-40    |
| Fiberglass           | 65997-17-3 | 15-40    |
| Epoxy resin          | -----      | 10-30    |

## 4. FIRST AID MEASURES

### General advice

Avoid contact with skin, eyes and clothing. Avoid breathing dust.

### Eye Contact

Do not rub your eyes. Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

### Skin Contact

Get medical attention immediately if irritation develops and persists.

### Inhalation

Have the person blow their nose to remove the substance from nasal passages and keep from inhaling further. Get medical attention if symptoms occur.

### Ingestion

Clean mouth with water and afterwards drink plenty of water. Get medical attention if symptoms

Notes to physician occur.  
Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Flash Point** The product is not flammable **Method** Not applicable  
**Upper** No data available **Lower** No data available

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**NFPA** **Health** 1 **Flammability** 0 **Instability** 0  
**HMIS** **Health** 1 **Flammability** 0 **Instability** 0

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Use personal protective equipment.  
**Environmental Precautions** No special environmental precautions required.  
**Methods for Containment** No information available.  
**Methods for Cleaning Up** Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly.  
**Neutralizing Agent** Not applicable.

### 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing the dust. Ensure adequate ventilation. Comply with RPM rating on each product. Handle and store in accordance with ANSI Standard B7.1. Do not eat, drink or smoke when using this product.  
**Storage** Keep in a dry place.  
**Storage Temperature** **Minimum** No information available **Maximum** No information available  
**Storage Conditions** **Indoor** X **Outdoor** **Heated** **Refrigerated**

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Component            | ACGIH TLV                                                                                                        | OSHA PEL                 | NIOSH                                                                               |
|----------------------|------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Ceramic microspheres | TWA: 5 mg/m <sup>3</sup> TWA: 0.02 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL: 10 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup> | IDLH: 25 mg/m <sup>3</sup><br>STEL 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup> |
| Fiberglass           | TWA: 1 fiber/cm <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup>                                                         | No data available        | No data available                                                                   |
| Epoxy resin          | No data available                                                                                                | No data available        | No data available                                                                   |

**Engineering Measures** Local ventilation is recommended to control exposure from operations that can generate dusty conditions. Local ventilation is preferred, because it prevents dispersion into work areas by controlling it at its source. .

**Personal Protective Equipment**

**Eye/Face Protection**

Tightly fitting safety goggles.

**Skin Protection**

Leather gloves

**Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Wear a MSHA/NIOSH approved respirator if exposure limits are exceeded or where dust exposure are excessive .

**General Hygiene Considerations**

Wash hands before breaks and immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Solid **Viscosity** Not applicable  
**Color** Red **Odor** Odorless  
**Odor Threshold** Not applicable **Appearance** Textured black paste  
**pH** Not applicable **Specific Gravity** No data available  
**Evaporation Rate** Not applicable **Percent Volatile (Volume)** No information available  
**VOC Content (%)** No information available **Vapor Pressure** Not applicable  
**Vapor Density** Not applicable **Solubility** Insoluble  
**n-Octanol/Water Partition** No data available **Melting Point/Range** No data available

|                                                               |                              |                            |                   |
|---------------------------------------------------------------|------------------------------|----------------------------|-------------------|
| <b>Decomposition Temperature</b>                              | No information available     | <b>Boiling Point/Range</b> | No data available |
| <b>Flammability (solid, gas)</b>                              | No data available            | <b>Method</b>              | Not applicable    |
| <b>Flash Point</b>                                            | The product is not flammable |                            |                   |
| <b>Autoignition Temperature</b>                               | No information available.    |                            |                   |
| <b>Upper</b> No data available <b>Lower</b> No data available |                              |                            |                   |

## 10. STABILITY AND REACTIVITY

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| <b>Chemical Stability</b>                 | Stable.                         |
| <b>Conditions to Avoid</b>                | Avoid dust formation            |
| <b>Incompatible Products</b>              | Strong oxidizing agents, Acids. |
| <b>Decomposition Temperature</b>          | No information available        |
| <b>Hazardous Decomposition Products</b>   | None under normal use           |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing    |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

|                        |                          |
|------------------------|--------------------------|
| <b>Oral LD50</b>       | No information available |
| <b>Dermal LD50</b>     | No information available |
| <b>Inhalation LC50</b> |                          |
| <b>Gas</b>             | No information available |
| <b>Mist</b>            | No information available |
| <b>Vapor</b>           | No information available |

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Principle Route of Exposure</b> | Eye contact, Inhalation. |
| <b>Primary Routes of Entry</b>     | None known               |

### Acute Effects

**Eyes** Dust may cause abrasive injury to the eye seen as stinging, tearing, redness, or scratching of the cornea .

**Skin** Excessive contact may cause mechanical irritation seen as itching and redness .

**Inhalation** Prolonged exposure to grinding dust may cause upper respiratory problems or aggravate existing conditions . Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Toxicity** Long term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminishing breath capacity. Repeated contact may cause allergic reactions in very susceptible persons. Prolonged exposure to elevated noise levels during operations may affect hearing .

|                                      |                       |
|--------------------------------------|-----------------------|
| <b>Target Organ Effects</b>          | Respiratory system    |
| <b>Aggravated Medical Conditions</b> | Respiratory disorders |

### Component Information

#### Acute Toxicity

| Component            | LD50 Oral         | LD50 Dermal       | LC50 Inhalation   | Draize Test       | Other             |
|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Ceramic microspheres | no data available | no data available | no data available | no data available | no data available |
| Fiberglass           | no data available | no data available | no data available | no data available | no data available |
| Epoxy resin          | no data available | no data available | no data available | no data available | no data available |

#### Chronic Toxicity

| Component            | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|----------------------|-------------------|-------------------|------------------------|-----------------------|----------------------|
| Ceramic microspheres | no data available | no data available | no data available      | no data available     | no data available    |
| Fiberglass           | no data available | no data available | no data available      | no data available     | no data available    |
| Epoxy resin          | no data available | no data available | no data available      | no data available     | no data available    |

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component            | ACGIH          | IARC           | NTP            | OSHA           | Other          |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Ceramic microspheres | not applicable | not applicable | not applicable | not applicable | not applicable |
| Fiberglass           | not applicable | not applicable | not applicable | not applicable | not applicable |
| Epoxy resin          | not applicable | not applicable | not applicable | not applicable | not applicable |

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

### Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|-----------|-------------------|------------------|----------|------------|---------|
|-----------|-------------------|------------------|----------|------------|---------|

|                      |                   |                   |                   |                   |     |
|----------------------|-------------------|-------------------|-------------------|-------------------|-----|
| Ceramic microspheres | no data available | no data available | no data available | no data available | N/A |
| Fiberglass           | no data available | no data available | no data available | no data available | N/A |
| Epoxy resin          | no data available | no data available | no data available | no data available | N/A |

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.  
**Mobility** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**TDG** Not regulated  
**ICAO** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

### 15. REGULATORY INFORMATION

**Inventories**  
**TSCA** Complies  
**DSL** Complies  
**U.S. Federal Regulations**

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Component            | CAS-No     | Weight % | SARA 313 - Threshold Values |
|----------------------|------------|----------|-----------------------------|
| Ceramic microspheres | 66402-68-4 | 15-40    | 1.0                         |

#### SARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes                 | Yes                   | No          | No                                | No              |

#### CERCLA

| Component            | Hazardous Substances RQs | CERCLA EHS RQs |
|----------------------|--------------------------|----------------|
| Ceramic microspheres | Not applicable           | Not applicable |
| Fiberglass           | Not applicable           | Not applicable |
| Epoxy resin          | Not applicable           | Not applicable |

#### U.S. State Regulations

##### California Proposition 65

This product contains the following Proposition 65 chemicals

| Component | CAS-No    | California Prop. 65                                                                                |
|-----------|-----------|----------------------------------------------------------------------------------------------------|
| Arsenic   | 7440-38-2 | carcinogen                                                                                         |
| Cadmium   | 7440-43-9 | carcinogen<br>developmental toxicity<br>male reproductive toxicity                                 |
| Lead      | 7439-92-1 | carcinogen<br>developmental toxicity<br>male reproductive toxicity<br>female reproductive toxicity |
| Mercury   | 7439-97-6 | developmental toxicity                                                                             |

### 16. OTHER INFORMATION

**Prepared By** Don Stewart

|                     |                           |
|---------------------|---------------------------|
| Supersedes Date     | 06/21/2011                |
| Issuing Date        | 12/20/2013                |
| Reason for Revision | No information available. |
| Glossary            | No information available. |
| List of References. | No information available. |

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