

Safety Data Sheet

Product No. 19950, 19952, 19960, 19961 Desiccant

Issue Date (09-17-15)

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Section 1: Product and Company Identification

Product Name: Desiccant

Synonym: Bulk Desiccant, Drican®, DRI-BOX®, Desiccant in box, Silica Gel Beads, Indicating Silica, amorphous: Silica precipitated and Gel

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

GHS Pictograms



GHS08

Signal Word: DANGER

GHS Classification

Health Hazard

Carcinogen, Target Organ Effect

Carcinogenicity	Category 1B
Reproductive Toxicity	Category 1B
Acute Aquatic Toxicity	Category 2
Chronic Aquatic Toxicity	Category 3

Hazard Statements

H350	May cause cancer
H360F	May damage fertility
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P308 + P313	If exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Effects:

Eyes: Dust and product may cause eye discomfort and irritation seen as tearing and reddening.

Skin: The dust may cause drying of the skin. Silica gel may get hot enough to burn skin when it absorbs moisture rapidly. Use an excess of water to cool the silica gel.

Ingestion: Ingestion is unlikely, however, get medical attention.

Inhalation: Slight irritation is possible but none is expected.

Medical Effects Generally Aggravated by Exposure: Respiratory ailments

Chronic Effects/Carcinogenicity: May cause eye, skin and mucous membrane irritation and drying.

Section 3: Composition / Information on Ingredients

COMPONENT NAME	CAS NUMBER	% BY WEIGHT	EC NUMBER	ANNEX NUMBER
Indicating silica gel containing cobalt chloride as the moisture indicator		100% for the combination		
Synthetic amorphous precipitated silica gel (SiO ₂)	112926-00-8	99.5-99.9%	31-545-4	NL
Cobalt chloride	7646-79-9	0.5% or less	231-589-4	027-004-00-5

Section 4: First Aid Measures

Eyes: Rinse eyes well with water while lifting the eye lids. If irritation persists, consult a physician.

Skin: Wash affected area with soap and water.

Ingestion: Ingestion is unlikely, however, if it occurs. Get medical attention.

Inhalation: Remove the affected person to fresh air and get medical attention if necessary.

Notes to Physician: Not applicable

Section 5: Fire Fighting Measures

Flammable Properties: Not flammable

Flash Point: Not applicable

Flammable Limits: Not flammable

- Lower Flammability Limit: Not applicable
- Upper Flammability Limit: Not applicable

Auto-ignition Temperature: Not applicable

Hazardous Combustion Products: Not applicable

Extinguishing Media: Use extinguishing media that is appropriate for the surrounding fire.

Fire Fighting Instructions: The silica gel is not combustible.

Unusual Fire and Explosion Hazards: None

Section 6: Accidental Release Measures

Spill: Sweep or vacuum up and place the spilled material in a waste disposal container.
Wash with soap and water after handling. Refer to Section 8 for personal protective equipment.

Section 7: Handling and Storage

Handling: Minimize contact between the worker and the material.
Practice good hygienic work practices.

Storage: Store in a cool, dry location. Keep in sealed containers away from moisture.
The silica gel will readily adsorb moisture.

Incompatibility: Water, fluorine, oxygen difluoride, chlorine trifluoride

Section 8: Exposure Controls / Personal Protection

Engineering Controls: Remove the affected person to fresh air and get medical attention if necessary.

Respiratory Protection: Use NIOSH approved respirator when the air quality levels exceed the TLV's.

Skin Protection: Protective gloves

Eye Protection: Safety glasses

EXPOSURE LIMITS

COMPONENT NAME	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED LIMITS
Silica gel, amorphous, precipitated and gel	20 mppcf or 80 mg/m ³ % SiO ₂	Not Applicable	NIOSH TWA 6 mg / m ³
Cobalt chloride (Cobalt and inorganic compounds as Co)	TWA .1 mg / m ³ (metal dust and fume)	TWA .02 mg / m ³	NIOSH TWA .05 mg / m ³ (metal dust and fume)

Section 9 Physical and Chemical Properties

Appearance	Blue to Pink granular material	Vapor Density	Not Applicable
Odor	None	Boiling Point	Not Applicable
Physical State	Solid granule	Melting Point	Not Applicable
pH	Not Applicable	Solubility	Insoluble in water
Vapor Pressure	Not Applicable	Specific Gravity	Not Applicable
Flammable	Not Applicable	Auto-ignition Point	Not Applicable
Flash Point	Not Applicable	Flammable Limits	Not Applicable
Odor Threshold	None	Evaporation Rate	Not Applicable
Partition Coefficient	Not Applicable	Decomposition Temperature	Not Known
Viscosity	Not Applicable		

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to avoid:	Moisture and high humidity environments will reduce the desiccating capacity.
Incompatibility:	Water, fluorine, oxygen difluoride, chlorine trifluoride
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur
Reactivity:	None

Section 11: Toxicological Information

IARC:	Amorphous silica gel IARC - 3 (Unclassifiable as to Carcinogenicity in Humans) Cobalt chloride IARC – 2B – (Possibly carcinogenic to humans)
Animal Toxicology:	Tests for DOT Hazard classification (finely ground silica gel) 1 - hour LC50 (rat) > 2 mg / l 48 - hour oral LD50 (rat) est. > 31,600 mg / kg 48 - hour dermal LD50 (rabbit) est. > 2,000 mg / kg Considered an ocular irritant
Human Toxicology:	Silica gel is a synthetic amorphous silica not to be confused with crystalline silica. Epidemiological studies indicate low potential for adverse health effects. In the activated form, silica gel acts as a desiccant and can cause a drying irritation of the mucous membranes and skin in cases of severe exposure.

This product **does** contain compound(s) listed by NTP or IARC or regulated by OSHA as a carcinogen

Section 12: Ecological Information

Environmental	Not available
Ecotoxicity	* Freshwater Algae Data 72 hour EC50 Selenastrum capricomutum: 440mg / L * Freshwater Fish Species Data 96 hour LC50 Brachydanio rerio: 5,000 mg / L (static) * Water Flea Data 48 hour EC50 Ceriodaphnia: 7,600 mg / L
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

Section 13 Disposal Considerations

Disposal Information:

Materials of a hazardous nature that contact the product during normal use may be retained on the product. The user of the product must identify the hazards associated with the retained material in order to assess the waste disposal options.

Dispose according to federal, state, provincial and local regulations.

Section 14: Transportation Information

US DOT Information: Not regulated
IATA: Not regulated
IMO: Not regulated
Marine Pollutant: No
Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

SDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: Yes
SARA Title III (Section 313): Cobalt chloride (7646-79-9).
RCRA: Not listed.
TSCA: All components are listed.
CERCLA: Not listed.

State Regulations

California Proposition 65: Not listed.

International Regulations

Canada WHMIS: ND
Europe EINECS Numbers: See section 3

Section 16: Other Information

NFPA Hazard Rating: ND

HMIS® Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

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