

# SAFETY DATA SHEET

Creation Date 10-APR-2016 Revision Date 22-February-2024

1. Identification

**Revision Number 3** 

Product Name: Yellow Indicating Silica Gel (Beaded or Granular)

Supplier Name: Transo-Pharm USA, LLC

Address: 716 Dekalb Pike, #329

Blue Bell, PA 19422

Telephone Number: (610) 278-9751 Fax Number: (610) 278-9761

Emergency Telephone Number: (610) 278-9751

#### 2. Hazard Identification

2.1 GHS classification in accordance with 29 CFR 1910 (OSHA HCS)

Respiratory sensitization (Category 1), H334 Skin sensitization (Category 1), H317

Reproductive toxicity (Category 1B), H360
Acute aquatic toxicity (Category 2), H401
Carcinogenicity (Category 2), H351
Chronic aquatic toxicity (Category 3), H412

2.2 GHS label elements, including precautionary statements

Pictogram:



Signal Word: Danger

Hazard statement(s)	
H31 <i>7</i>	May cause allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H401	Toxic to aquatic life
H420	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.
P261	Avoid breathing dust
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the
	workplace.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection
P302+P352	IF ON SKIN: Wash with plenty of water and soap
P304+P341	IF INHALED: If breathing is difficult, remove person to fresh
	air and keep at rest in position comfortable for breathing.
P308+P313	IF EXPOSED OR CONCERNED: Get medical advice.
P333+P313	If skin irritation or rash occurs: Get medical advice
P363	Wash contaminated clothing before reuse
P501	Dispose of contents/container to an approved waste disposal
	plant in accordance with local regulation(s)

# 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS None

# 3. Composition/Information - Ingredients

Product Name Silica Gel

Chemical Formula SiO2 - Silicon Dioxide + Methyl Violet indicator (C24H28N3C1 < 0.5%)

CAS # 7631-86-9/8004-87-3

Composition 99.0% SiO2 + 0.5% max C24H28N3C1

#### 4. First Aid Measures

# 4.1 Description of first aid measures

Inhalation: Move the person to fresh air immediately. For breathing difficulties oxygen may be required. If

breathing stops, provide artificial respiration. Get medical attention if discomfort continues

Ingestion: Rinse mouth thoroughly, drink plenty of water. Get medical attention if symptoms appear

Skin Contact: Wash skin thoroughly with soap and water for several minutes. Get medical

attention if irritation persists after washing

Eye Contact: Immediately flush with water for up to 15 minutes. Remove any contact lenses and open eyes wide.

Continue for 15 minutes. Get medical attention if discomfort continues

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

## 5. Fire Fighting Measures

5.1 Suitable Extinguishing Media The product is nonflammable. Use fire extinguishing media appropriate for

surrounding

5.2 Special hazards arising from the substance or mixture

Fire Hazards None known
Explosion Hazard Not Applicable

5.3 Advice for Firefighters Not Applicable

Protective Measures: Self-contained breathing apparatus and full protective clothing should be worn in case

of fire

## 6. Accidental Release Measures

6.1 Personal Precautions: Wear protective gloves and proper respiratory equipment. Avoid inhalation of dust

6.2 Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment to be avoided

6.3 Containment & Clean Up: Use Vacuum, shovel, or broom. Avoid formation of dust. Dampen spillage area with

water if necessary. Comply with local disposal regulations after clean up.

7.1 Usage Precautions: Avoid spilling, making skin or eye contact, or dust

inhalation. Do not eat, drink, or smoke when using product

# 7. Handling and Storage

7.2 Storage Precautions: Store in a tightly closed original container cool dry and well-

# 8. Exposure Controls/Personal Protection

ventilated place.

#### 8.1 Exposure Controls / Personal Protection

Silica Gel (SiO2) 7631-86-9 OSHA PEL - (Vacated) TWA 6 mg/m3 Activation agent 7783-87-7 ACGIH: 0.5mg/m3 8h TWA

8.2 Appropriate Engineering Controls

Use process enclosures, local exhaust ventilation, or other

engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist use ventilation to keep exposure to airborne contaminants below the exposure limit. Handle in accordance with good industrial

hygiene and safety practices. Wash hands when handling.

8.3 Protective Equipment Provide general and local exhaust ventilation

Respiratory Equipment Proper respiratory equipment should be available to

employees handling the product

Hand Protection Gloves should be available to employees handling the product

Eye Protection Safety glasses are recommended but not required

Hygiene Measures Wash hands at the end of the work shift and prior to eating,

drinking, or smoke breaks

Process Conditions Provide eyewash station

## 9. Physical and Chemical Properties

#### 9.1 Physical and Chemical Properties

Appearance
Color
Blue - Pink
Odor
None detected
Solubility
Not soluble in water

pH 4.0 – 8.0 Decomposition Temperature 1700 C

Flash Point Not Applicable Flammability Not Applicable

Vapor Pressure No information available Vapor Density No information available

Relative Density 2.1

Partition Coefficient: n-octanol/water No information available Viscosity No information available Molecular Formula SiO2 - Silicon Dioxide

Molecular Weight 60.08

# 10. Stability and Reactivity

10.1 Reactivity No data available

10.2 Stability Product is stable under normal temperature conditions and

recommended use

10.3 Hazardous Reaction No data available

10.4 Conditions to Avoid This product is incompatible with powerful, Alkali

metals, strong oxidizing agents.

10.5 Incompatible Materials Water contact with product, steam, or water mixtures

10.6 Hazardous Decomposition Products No data available

## 11. Toxicological Information

#### 11.1 Information on toxicological effect

Acute Toxicity

Inhalation Dust may irritate respiratory system or lungs. May have

long term dust effects.

Ingestion May cause discomfort if swallowed

Skin Contact May cause skin irritation

Eye Contact May irritate the eyes

Oral LD50 Based on ATE Data, classification criteria

are not met, ATE > 2,000 mg/kg

Dermal LD50 Based on ATE Data, classification criteria

are not met, ATE > 2,000 mg/kg

Mist LC50 Based on ATE Data, classification criteria

are not met, ATE > 5 mg / I

Irritation No data available

Development affects No data available

Sensitization May cause sensitization by inhalation

and skin contact

Carcinogenicity Notation below indicates whether each

agency

Has listed the ingredient as a carcinogen.

Silica Gel (SiO2) 7631-86-9 IARC (Not Listed), NTP (Not Listed), ACGIH (Not Listed),

OSHA (Not Listed), Mexico (Not Listed)

Cobalt Chloride 7646-79-9 IARC (2B-Possible), NTP-OSHA (Not Listed), ACGIH (A3-

Confirmed animal carcinogen with unknown relevance to

humans)

Reproductive Toxicity

Developmental affects

STOT - single exposure

STOT - repeated exposure

Aspiration Hazard

No data available

No data available

No data available

# 12. Ecological Information

12.1 Toxicity No data available

12.2 Persistence & Degradability No data available

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB LC50, 96 Hours Fish mg/l > 10,000

EC50, 48 hours, DAPHNIA mg/I > 10,000

12.6 Other Adverse Affects

Can be harmful to aquatic life – long term affects

#### 13. Disposal Considerations

13.1 Waste Treatment Methods The material and its container must be disposed of in

compliance with local regulations.

# 14. Transport Information

DOT (USA)

This product is not covered by international regulation on

transport of dangerous goods (IMDG, IATA, ADR, RID)

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Transport Hazard Class This product is not covered by international regulation on

transport of dangerous goods (IMDG, IATA, ADR, RID)

# 15. Regulation Information

15.1 Federal and state regulations:

**IMDG** 

SARA 302 Components No Chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

SARA 313 The following components are subject to reporting

levels established by SARA Title III, Section 313.

Cobalt dichloride CAS-No.: 7646-79-9

Revision date: 2009-07-17

SARA 311/312 Hazards Chronic health hazard

Massachusetts Right to Know Components Silica-Amorphous, precipitated

CAS-No.: 112926-00-8 Revision date: 1993-04-24

Pennsylvania Right to Know Components Silica-Amorphous, precipitated

CAS-No.: 112926-00-8

Revision date: 1993-04-24

Cobalt dichloride CAS-No.: 7646-79-9 Revision date: 2009-07-17

New Jersey Right to Know Components Silica-Amorphous, precipitated

CAS-No.: 112926-00-8 Revision date: 1993-04-24

Cobalt dichloride CAS-No.: 7646-79-9 Revision date: 2009-07-17

California Proposition 65 Components This product does not contain any chemicals known to the State

of California to cause cancer, birth defects, or any other

reproductive harm.

Toxic Control Substances Act (TSCA)

Listed on the TSCA Inventory

DOT Classification Not a DOT controlled material (United States)

## 15.2 Other Classifications

HMIS (U.S.A.)

Health hazard 1

Fire hazard 0
Reactivity 0
Personal protection E

National Fire Protection Association (U.S.A)

Health 1 - SLIGHT Hazard Flammability 0 - Normal Material

Reactivity 1 – SLIGHT Hazard

# **GHS USA**

Classification System

Health Rating: 5 – Minimal Hazard Flammability Rating: 5 – Minimal Hazard

Reactivity Rating: 5 – Minimal Hazard

Contact Rating: 4 – SLIGHT Hazard
Storage Color Code: Green – Minimal Hazard

Toxic Control Substances Act (TSCA)

This product complies with all applicable rules or orders under the Toxic Control Substances Act (TSCA).

#### 16. Other Information

16.1 Preparation Date: June 1, 2015

Revision Number: 3

16.2 Warranty:

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