



**HORNADY MFG. CO.**

## Safety Data Sheet Hornady® Blue Silica Gel Desiccant

---

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Hornady® Blue Silica Gel Desiccant
Product number	95908, 95902, 95906
Brand	Hornady Security®

#### 1.3 Recommended use of the chemical and restrictions on use

Uses: Dehumidification.

#### 1.4 Supplier's details

Name	Hornady Mfg. Co.
Address	P.O. Box 1848 Grand Island NE 68802 USA
Telephone	(308) 382-1390
Fax	(308) 382-5761
email	www.hornady.com

#### 1.5 Emergency phone number(s)

CHEMTREC: (800) 424-9300 / (703) 527-3887

---

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Sensitization, skin, Cat. 1
- Sensitization, respiratory, Cat. 1B
- Sensitization, respiratory, Cat. 1
- Germ cell mutagenicity, Cat. 2
- Carcinogenicity, Cat. 1B
- Acute toxicity, oral, Cat. 4

#### 2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

**Danger**

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

### Hazard statement(s)

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer

### Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see first-aid on this label).
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container according to section 13.

### 2.3 Other hazards which do not result in classification

No further relevant information available.

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Silica gel, Type GF, 10-40 µm

Concentration	<= 99.99 % (weight)
CAS no.	112926-00-8

##### 2. Cobalt (II) chloride

Concentration	<= 0.01 % (weight)
EC no.	231-589-4
CAS no.	7646-79-9
Index no.	027-004-00-5

- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 2
- Toxic to reproduction, Cat. 1B
- Acute toxicity, oral, Cat. 4
- Sensitization, respiratory, Cat. 1
- Sensitization, skin, Cat. 1
- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

---

### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. Contact doctor/physician if you feel unwell.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.  Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Rinse mouth with water. Consult a physician if you feel unwell.
Personal protective equipment for first-aid responders	In event of emergency, assess the danger before taking action. Do not put yourself at risk of injury. Use personal protective equipment as required. Victims of chemical exposure must be taken for medical attention. If necessary, rescuers should be taken for medical attention. Take a copy of label and SDS to physician or health professional with victim.

#### 4.2 Most important symptoms/effects, acute and delayed

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

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No special immediate medical attention or special treatment needed.

---

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Not flammable solid, use extinguishing media appropriate for surrounding condition(s).

#### 5.2 Specific hazards arising from the chemical

No special hazard arising from the product.

#### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

---

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Collect leakage in timely manner. Ensure adequate ventilation. Avoid breathing dust. Prevent contact with skin and eyes.

#### 6.2 Environmental precautions

Do not allow the product to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

#### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Ensure good ventilation. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Avoid dust formation. For additional precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry and well-ventilated place. Keep in dry condition. Keep out of the reach of children.

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Silica gel, Type GF, 10-40 µm (CAS: 112926-00-8)

PEL-TWA (Inhalation): 20 mppcf (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL-TWA (Inhalation): 6 mg/m<sup>3</sup> (NIOSH)

PEL-C (Inhalation): 6 mg/m<sup>3</sup> (Cal/OSHA)

PEL-ST (Inhalation): 3 mg/m<sup>3</sup> (Cal/OSHA)

PEL-TWA (Inhalation): 6 mg/m<sup>3</sup> (Cal/OSHA)

##### 2. Cobalt (II) chloride (CAS: 7646-79-9 EC: 231-589-4)

PEL-TWA (Inhalation): 0.1 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL-TWA (Inhalation): 0.05 mg/m<sup>3</sup> (NIOSH)

PEL-TWA (Inhalation): 0.02 mg/m<sup>3</sup> (Cal/OSHA)

#### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Pictograms



#### Eye/face protection

Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

#### Respiratory protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment.

---

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Blue; Solid, bead particle
Odor	Odorless
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	Not applicable.
Evaporation rate	0 (n-butyl acetate= 1)
Flammability (solid, gas)	Not a flammable solid.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	0 Pa @ 20°C
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	Product does not self-ignite.
Decomposition temperature	No data available.
Viscosity	Not applicable.
Explosive properties	Product does not present explosive hazard.
Oxidizing properties	No data available.

#### Other safety information

No data available.

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

### 10.3 Possibility of hazardous reactions

No known hazardous reaction.

### 10.4 Conditions to avoid

Exposure to moisture.

### 10.5 Incompatible materials

Strong acids and water.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

---

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Cobalt chloride (CoCl<sub>2</sub>)

LD50 Oral - Mouse - 80 mg/kg

LD50 Oral - Guinea pig - 55 mg/kg

LD50 Oral - Rat - 80 mg/kg

#### Skin corrosion/irritation

Not irritant to skin.

#### Serious eye damage/irritation

Not irritant to eyes.

#### Respiratory or skin sensitization

Not sensitive to skin or respiratory.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC:

Silica gel - Group 3: Not classifiable as to its carcinogenicity to humans.

Cobalt (II) chloride - Group 2B: Possibly carcinogenic to humans.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Additional information

No data available.

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

---

### SECTION 12: Ecological information

**Toxicity**

Not hazardous to the aquatic environment.

**Persistence and degradability**

Inorganic substance.

**Bioaccumulative potential**

Low bio-accumulation.

**Mobility in soil**

Low mobility in soil.

**Other adverse effects**

No further relevant information available.

---

### SECTION 13: Disposal considerations

**Disposal of the product**

Small quantities can be disposed together with household garbage; Large quantities must be disposed of in accordance with the local/regional/national/international regulations.

**Disposal of contaminated packaging**

Dispose of contents/container in accordance with all local/regional/national/international regulations.

**Waste treatment**

No data available.

**Sewage disposal**

No data available.

**Other disposal recommendations**

No data available.

---

### SECTION 14: Transport information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

---

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

**California Prop. 65 Components**

This product contains no listed substances that require a warning under California's Proposition 65 statute.

# Safety Data Sheet

## Hornady® Blue Silica Gel Desiccant

### Canadian Domestic Substances List (DSL)

Chemical name: Silica gel, pptd., cryst.-free  
CAS: 112926-00-8

Chemical name: Cobalt chloride (CoCl<sub>2</sub>)  
CAS: 7646-79-9

### New Jersey Right To Know Components

Common name: SILICA, AMORPHOUS, PRECIPITATE & GEL  
CAS number: 112926-00-8

### REACH Substance of Very High Concern (SVHC)

Chemical name: Cobalt chloride (CoCl<sub>2</sub>)  
CAS: 7646-79-9

### SARA 313 Components

Chemical name: Cobalt chloride (CoCl<sub>2</sub>)  
CAS: 7646-79-9

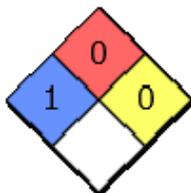
### Toxic Substances Control Act (TSCA) Inventory

Chemical name: Cobalt chloride (CoCl<sub>2</sub>)  
CAS: 7646-79-9

### HMIS Rating

Hornady® Blue Silica Gel Desiccant	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

### NFPA Rating



---

## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Hornady Manufacturing Company be liable for claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Hornady Manufacturing Company has been advised of the possibility of such damages.

### 16.2 Preparation information

Prepared By: M. Graczyk