

Safety Data Sheet
OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

SDS REPORT**SP-Belart****661 Route 23 South, Wayne N.J. 07470 USA**

SDS Report No.	:	SDS202112100601
Compilation Date	:	December 16, 2021
Sample Name	:	Silica gel desiccant
Composition/Ingredient of The Sample	:	See Section 3 on the SDS
Service Requested	:	Safety Data Sheet (SDS) for the sample with submitted composition.
Summary	:	As per request, the contents and formats of the SDS are prepared in according with US Regulations Relating to Labor 29 CFR 1910.1200(g), and is provided per attached.

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

1 Identification

Silica Gel Desiccant

F42049-0100 "Cartridge, Desiccant, 72mm"

42049-6100 "Cartridge, Desiccant, 72mm"

F42045-0350 "Cartridge, Desiccant, 350 grams"

F42045-0500 "Cartridge, Desiccant, 500 grams"

F42045-1000 "Cartridge, Desiccant, 1000 grams"

SP-Belart

661 Route 23 South

Wayne N.J. 07470 USA

Emergency Telephone number: +1 (800) 457-4280

or:

· Emergency telephone number

US Poison Center

Tel: + 1 800 222 1222 (24hours available)

2 Hazard(s) identification

· Classification of the substance or mixture:

This product is not classified according to OSHA 2012 Hazard Communication Standard (29 CFR 1910.1200).

· Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.

· Label elements

· Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

· Hazard pictograms: Not applicable

· Signal word: Not applicable

· Hazard-determining components of labelling: Not applicable

· Hazard statements: Not applicable

· Precautionary statement: Not applicable

· Hazards not otherwise classified (HNOC): No known otherwise classified hazards.

3 Composition/information on ingredients

· Chemical characterization: Mixture

· Description: Silica gel desiccant.

· Components:

CAS No.	Composition Name	w/w, %
7631-86-9	Silicon dioxide	99.99
1307-96-6	Cobaltous oxide	0.01

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

4 First aid measures

• **Description of first aid measures**

After inhalation: Supply with fresh air. Call for doctor/physician if you feel unwell.

After skin contact: Wash skin with water. If skin irritation / allergy happens: Get medical advice/attention.

After eye contact: Rinse eyes with water. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse out mouth with water. If you feel unwell, get medical advice/attention.

• **Information for doctor**

• **Most important symptoms and effects, both acute and delayed:** No known symptoms or effects.

• **Indication of any immediate medical attention and special treatment needed:** No special immediate medical attention or special treatment needed.

5 Fire-fighting measures

• **Suitable extinguishing agents:** Not flammable solid, use the suitable extinguishing agents surrounding condition.

• **Special hazards arising from the substance or mixture:** No special hazards arising from the mixture.

• **Special protective equipment and precaution for firefighters**

Protective equipment: Wear fully protective suit and mouth respiratory protective device if necessary.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures:**

Collect the leakage timely; Ensure adequate ventilation; Avoid breath dust.

• **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 sewages system.

• **Methods and material for containment and cleaning up:**

Pick up mechanically; Ensure good ventilation; Dispose contaminated material as waste according to item 13.

7 Handling and storage

• **Handling**

• **Precautions for safe handling:** Ensure adequate ventilation at workplace; Avoid breath dust.

• **Information about fire and explosion protection:** Normal measures for preventive fire protection.

• **Conditions for safe storage, including any incompatibilities**

• **Requirements to be met by storerooms and receptacles:** Store in a dry and well-ventilated place.

• **Information about storage in one common storage facility:** Keep away from water.

• **Further information about storage conditions:** Store locked up.

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

8 Exposure controls/personal protection

• **Components with limit values that require monitoring at the workplace:**

CAS No.	Composition	OSHA PEL	NIOSH REL	Cal/OSHA PEL	Cal/OSHA PEL
7631-86-9	Silicon dioxide	20 mppcf or (80 mg/m ³)/(%SiO ₂) 8-hour TWA	6 mg/m ³ Up to 10-hour TWA	6 mg/m ³ (total dust), 3 mg/m ³ (respirable dust), 6 mg/m ³ (precipitated and gel) 8-hour TWA	-
1307-96-6	Cobaltous oxide (as Co)	0.01 mg/m ³ 8-hour TWA	0.05 mg/m ³ Up to 10-hour TWA	0.02 mg/m ³ (inhalable particulate matter) (cobalt and inorganic compounds, as Co) 8-hour TWA	0.02 mg/m ³ 8-hour TWA

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure:**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; See section 7 for information about design of technical facilities.

• **Personal protective equipment:**

• **Eye and face protection:**



Safety glasses

Protective goggles with side-shields.

• **Skin protection**

• **Hand protection:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

• **Other skin protection:**

Gauntlets, boots, bodysuit are recommended.

• **Respiration protection:**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

The gauntlets, boots, bodysuit and other personal protective equipment must be flame-retardant and no heat-conducting.

9 Physical and chemical properties

• **Information on basic physical and chemical properties**

• **Appearance:**

Form	Solid
Color	Blue(Absorb moisture and turn pink in case of water)
Odor	Odorless

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

Odor threshold	Not applicable
• pH-value	Not determined, this product is insoluble in water.
• Change in condition	
Melting point/melting range	1710°C
Boiling point and boiling range	2230°C
• Freezing point	Not determined.
• Flash point	Not applicable
• Flammability	Not flammable solid
• Decomposition temperature	Not determined.
• Self-ignition	Not determined.
• Danger of explosion	Product dose not present explosive hazard.
• Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
• Oxidizing properties	Not oxidizing agent
• Vapor pressure	Not applicable
• Density	2.2 g/cm ³ at 25°C
• Relative density	Not determined.
• Vapor density	Not applicable
• Evaporation rate	Not determined.
• Solubility in/Miscibility with	
Water	Insoluble in water
• Partition coefficient (n-octanol/water)	Not determined.
• Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable
• Other information	Not determined.

10 Stability and reactivity

- **Reactivity:** No decomposition if used according to specification.
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** No known hazardous reaction.
- **Conditions to avoid:** High humidity.
- **Incompatible materials:** Strong acid, especial hydrofluoric acid.
- **Hazardous decomposition products:** No known hazardous decomposition products.

11 Toxicological information

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

• **Acute toxicity:** Not acute toxicity mixture.

LD50/LC50 values relevant for classification:

1307-96-6 Cobalt oxide

Rat	LD50-oral	202mg/kg
-----	-----------	----------

Remark: The above data is from literature.

• **Primary irritant effect**

• **Skin corrosion/irritation:** Not irritant to skin.

• **Serious eyes damage/irritation:** Not irritant to eyes.

• **Sensitization:** Not sensitive to skin or respiratory.

• **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

• **Carcinogenic categories**

• **IARC (International Agency for Research on Cancer):**

7631-86-9	Silicon dioxide	3
1307-96-6	Cobaltous oxide	2B

• **NTP (National Toxicology Program):**

1307-96-6	Cobaltous oxide	P
-----------	-----------------	---

12 Ecological information

• **Toxicity:** No available data.

• **Persistence and degradability:** No available data.

• **Bio-accumulative potential:** No available data.

• **Mobility in soil:** No available data.

• **Additional ecological information**

• **Other adverse effects:** No known other adverse effects.

13 Disposal consideration

• **Waste treatment methods**

• **Recommendation:** Small quantities can be disposed together with household garbage. Large quantities disposed must be in according to the local regulation.

• **Un-cleaned packaging**

• **Recommendation:** Dispose of contents/container in according to the local regulation.

14 Transport information

• **UN-Number**

DOT, IMDG, IATA

Not regulated as dangerous goods, not applicable

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

· UN proper shipping name	
DOT, IMDG, IATA	Void
· Transport hazard class (es)	
DOT, IMDG, IATA	
Class	Void
Label	Void
· Packing group	
DOT, IMDG, IATA	Void
· Environmental hazardous	
Marine pollution	No
· Special precautions for user	
· Danger code (Kemler)	Void
· EMS number	Void
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	Void
· UN "Model Regulation"	
	Void

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Sara

· Section 355 (extremely hazardous substances): None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

1307-96-6	Cobaltous oxide
-----------	-----------------

· TSCA (Toxic Substances Control Act):

7631-86-9	Silicon dioxide
1307-96-6	Cobaltous oxide

· Proposition 65

· Chemicals known to cause cancer:

1307-96-6	Cobaltous oxide
-----------	-----------------

· Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

· Chemicals known to cause developmental toxicity: None of the ingredients is listed.

· Washington, WAC 173-334-130 (CHCC):

1307-96-6	Cobaltous oxide
-----------	-----------------

· Chemicals of Concern, published by Maine DEP on July, 2015:

1307-96-6	Cobaltous oxide
-----------	-----------------

· Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014:

1307-96-6	Cobaltous oxide
-----------	-----------------

· High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016:

1307-96-6	Cobaltous oxide
-----------	-----------------

· Carcinogenicity categories

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: December 16, 2021

Version No.: 1.0

Revision: December 16, 2021

Trade Name: Silica gel desiccant

• **EPA (Environmental Protection Agency):** None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH):**

1307-96-6	Cobaltous oxide	A3
-----------	-----------------	----

• **NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients is listed.

16 Other information

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Abbreviations and acronyms:**

DOT: Department of Transportation

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

PEL: Permissible Exposure Limit

TLV: Threshold limit value

REL: Recommended Exposure Limit

End of safety data sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Form : Substance
Product Name : Silica Gel Desiccant
EC-No. : 231-545-4
CAS-No. : 7631-86-9
Product Code : F42049-0100 "Cartridge, Desiccant, 72mm"; 42049-6100 "Cartridge, Desiccant, 72mm"; F42045-0350 "Cartridge, Desiccant, 350 grams"; F42045-0500 "Cartridge, Desiccant, 500 grams"; F42045-1000 "Cartridge, Desiccant, 1000 grams"

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses

Use of the Substance/Mixture : Humidity and moisture control

1.2.2. Uses Advised Against

No additional information available

1.3. Details of the Supplier of the Safety Data Sheet

Company

SP-BelArt
2024 Broad Street
Pocomoke, MD 21851
www.belart.com
michael.grzelak@spindustries.com

1.4. Emergency Telephone Number

Emergency Number : +1 973-694-0500 x4217 (M-F 8-5 EST)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification According to Regulation (EC) No. 1272/2008

Not classified

2.2. Label Elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other Hazards

Other Hazards Not Contributing to the Classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII

Component	
Cobalt oxide (CoO)(1307-96-6)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name : Silica Gel Desiccant
CAS-No. : 7631-86-9
EC-No. : 231-545-4

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008
Silica, amorphous	(CAS-No.) 7631-86-9 (EC-No.) 231-545-4	≤ 99,9	Not classified
Cobalt oxide (CoO) substance identified as having endocrine disrupting properties	(CAS-No.) 1307-96-6 (EC-No.) 215-154-6 (EC Index-No.) 027-002-00-4	≤ 0,01	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-Aid Measures General : Never give anything by mouth to an unconscious person. If you feel unwell, seek

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

- medical advice (show the label where possible).
- First-Aid Measures After Inhalation** : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
- First-Aid Measures After Skin Contact** : Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.
- First-Aid Measures After Eye Contact** : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
- First-Aid Measures After Ingestion** : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

- Symptoms/Effects** : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/Effects After Inhalation** : Prolonged exposure may cause irritation.
- Symptoms/Effects After Skin Contact** : Prolonged exposure may cause skin irritation.
- Symptoms/Effects After Eye Contact** : May cause slight irritation to eyes.
- Symptoms/Effects After Ingestion** : Ingestion may cause adverse effects.
- Chronic Symptoms** : None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

- Suitable Extinguishing Media** : Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.
- Unsuitable Extinguishing Media** : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

- Fire Hazard** : Not considered flammable but may burn at high temperatures.
- Explosion Hazard** : Product is not explosive.
- Reactivity** : Hazardous reactions will not occur under normal conditions.
- Hazardous Combustion Products** : Silicon oxides.

5.3. Advice for Firefighters

- Precautionary Measures Fire** : Exercise caution when fighting any chemical fire.
- Firefighting Instructions** : Use water spray or fog for cooling exposed containers.
- Protection During Firefighting** : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

- General Measures** : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.
- 6.1.1. For Non-Emergency Personnel**
- Protective Equipment** : Use appropriate personal protective equipment (PPE).
- Emergency Procedures** : Evacuate unnecessary personnel.
- 6.1.2. For Emergency Responders**
- Protective Equipment** : Equip cleanup crew with proper protection.
- Emergency Procedures** : Upon arrival at the scene, a first responder is expected to recognise the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

- For Containment** : Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.
- Methods for Cleaning Up** : Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.

Hygiene Measures

: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

: Comply with applicable regulations.

Storage Conditions

: Store in accordance with applicable national storage class systems. Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials

: Strong acids. Strong bases.

7.3. Specific End Use(S)

Humidity and moisture control

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Please see section 16 for the legal basis of limit value information in section 8.1, including the national legislation or provision which gives rise to a given limit.

Silica, amorphous (7631-86-9)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	4 mg/m ³ (also Silica manufactured through wet process-inhalable fraction)
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	0,1 mg/m ³ (respirable fraction) 4 mg/m ³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	2 mg/m ³ (respirable dust (Dusts))
Estonia	OEL Chemical Category (Legal Basis:Regulation No. 105)	Carcinogenic substance respirable dust
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	5 mg/m ³ (Silicon dioxide, amorphous)
Germany	OEL TWA (Legal Basis:TRGS 900)	4 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Ireland	OEL TWA (Legal Basis:2020 COP)	6 mg/m ³ (total inhalable dust) 2,4 mg/m ³ (respirable dust)
Ireland	OEL STEL (Legal Basis:2020 COP)	18 mg/m ³ (calculated-respirable dust) 7,2 mg/m ³ (calculated-respirable dust)
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	1 mg/m ³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	1,5 mg/m ³ (respirable dust)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	3 mg/m ³ (value calculated-respirable dust)
Slovenia	OEL TWA (Legal Basis:No. 79/19)	4 mg/m ³ (inhalable fraction, gel)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	4 mg/m ³ (including Silica, amorphous-inhalable dust)
Cobalt oxide (CoO) (1307-96-6)		
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Group A2 Carcinogen, Respiratory sensitizer, Skin sensitizer
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	0,02 mg/m ³
France	OEL BLV (Legal Basis:Decree 2009-1570)	0,001 mg/l Parameter: Cobalt - Medium: blood - Sampling time: end of shift at end of workweek (Background noise on non-exposed subjects) 0,015 mg/l Parameter: Cobalt - Medium: urine - Sampling time: end of shift at end of workweek (Background noise on non-exposed subjects)
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	0,5 mg/m ³
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	0,05 mg/m ³
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	0,1 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls

: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment.

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



Materials for Protective Clothing	: Chemically resistant materials and fabrics.
Hand Protection	: Wear protective gloves.
Eye Protection	: Chemical safety goggles.
Skin and Body Protection	: Wear suitable protective clothing.
Respiratory Protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Colour, Appearance	: Blue (turns pink after exposure to moisture) Average 3.5mm diameter
Colour	: No data available
Odour	: Odorless
Odour Threshold	: No data available
pH	: Not determined, this product is insoluble in water
pH solution	: Not available
Evaporation Rate	: No data available
Melting Point	: 1710 °C (3110 °F)
Freezing Point	: Not available
Boiling Point	: 2230 °C (4046 °F)
Flash Point	: No data available
Auto-Ignition Temperature	: Not applicable
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour Pressure	: No data available
Relative Vapour Density At 20 °C	: No data available
Relative Density	: No data available
Density	: 2,2 g/cm ³ @ 25 °C (77 °F)
Solubility	: Water: Insoluble
Partition Coefficient n-Octanol/Water	: No data available
Viscosity	: No data available
Explosive Properties	: Product is not explosive.

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Strong acids. Strong bases.

10.6. Hazardous Decomposition Products

Not expected to decompose under ambient conditions.

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Hazard Classes As Defined In Regulation (Ec) No 1272/2008

Likely Routes of Exposure	: Dermal, Oral
Acute Toxicity (Oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute Toxicity (Dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute Toxicity (Inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous (7631-86-9)	
LD50 Oral Rat	7900 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg (No deaths)
Cobalt oxide (CoO) (1307-96-6)	
LD50 Oral Rat	159 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	0,06 mg/l/4h
ATE CLP (vapours)	0,06 mg/l/4h

Skin Corrosion/Irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not determined, this product is insoluble in water
Eye Damage/Irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not determined, this product is insoluble in water
Respiratory or Skin Sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ Cell Mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous (7631-86-9)	
IARC Group	3
Cobalt oxide (CoO) (1307-96-6)	
IARC Group	2B

Reproductive Toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific Target Organ Toxicity (Single Exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration Hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/Injuries After Inhalation	: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion	: Ingestion may cause adverse effects.
Chronic Symptoms	: None expected under normal conditions of use.

11.2. Information On Other Hazards

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in section A of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

Component	
Cobalt oxide (CoO) (1307-96-6)	This chemical is considered to have endocrine-disrupting properties with respect to animals and humans in the Adrenal medulla, kidney, pancreas, bone marrow, liver, producing changes to lifespan, morphology and physiology as it meets the criteria set out in section A of Regulation (EU) 2017/2100, and/or the criteria set out in Regulation (EU) 2018/605. This conclusion is based on evidence from studies and data obtained from a literature search conducted on this chemical, and shows a link between the effects above and endocrine activity, which is relevant for humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous To The Aquatic Environment, Short-Term (Acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous To The Aquatic Environment, Long-Term (Chronic)	: Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous (7631-86-9)	
LC50 - Fish [1]	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Silica, amorphous (7631-86-9)	
EC50 - Crustacea [1]	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)

12.2. Persistence and Degradability

Silica Gel Desiccant (7631-86-9)	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Silica Gel Desiccant (7631-86-9)	
Bioaccumulative Potential	Not established.

Silica, amorphous (7631-86-9)	
BCF Fish 1	(no bioaccumulation expected)

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB Assessment

Does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII

12.6. Endocrine Disrupting Properties

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

Component	
Cobalt oxide (CoO) (1307-96-6)	This chemical is considered to have endocrine-disrupting properties with respect to {0 message=<humans, animals, non-target organisms, or animals, humans, and non-target organisms> filter=^(?!_SPEC_.+)} in the {1 message=<insert organs (e.g. thymus, testes, pituitary gland, etc.)> filter=^(?!_ORGAN_.+)} producing changes to {2 message=<insert adverse effect(s) (e.g. morphology, physiology, growth, development, reproduction, or lifespan)> filter=^(?!_ORGAN_.+)} as it meets the criteria set out in section B of Regulation (EU) 2017/2100, and/or the criteria set out in Regulation (EU) 2018/605. This conclusion is based on evidence from studies and data obtained from a literature search conducted on this chemical, and shows a link between the effects above and endocrine activity, which is relevant for non-target organisms. animals and non-target species.

12.7. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Product/Packaging Disposal Recommendations : Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN Number or ID Number
Not regulated for transport
14.2. UN Proper Shipping Name
Not regulated for transport
14.3. Transport Hazard Class(Es)
Not regulated for transport
14.4. Packing Group
Not regulated for transport
14.5. Environmental Hazards
Not regulated for transport

14.6. Special Precautions For User

No additional information available

14.7. Maritime Transport in Bulk According to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1. EU-Regulations

15.1.1.1. REACH Annex XVII Information

No REACH Annex XVII restrictions

15.1.1.2. REACH Candidate List Information

Silica Gel Desiccant is not on the REACH Candidate List

15.1.1.3. POP (2019/1021) - Persistent Organic Pollutants Information

Silica Gel Desiccant is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.1.4. PIC Regulation EU (649/2012) - Export and Import of Hazardous Chemicals Information

Silica Gel Desiccant is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

15.1.1.5. REACH Annex XIV Information

Silica Gel Desiccant is not on the REACH Annex XIV List

15.1.1.6. Substances Depleting the Ozone layer (1005/2009) Information

No additional information available

15.1.1.7. EC Inventory Information

Silica, amorphous (7631-86-9)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Cobalt oxide (CoO) (1307-96-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.1.8. Other Information

No additional information available

15.1.2. National Regulations

No additional information available

15.1.3. International Inventory Lists

Silica, amorphous (7631-86-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECS (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemicals Inventory)
Cobalt oxide (CoO) (1307-96-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECS (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Poisonous and Deleterious Substances Control Law Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemicals Inventory)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision : 01/04/2022

Data Sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information

: According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full Text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
H301	Toxic if swallowed.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Sens. 1	Skin sensitisation, Category 1

Indication of Changes

No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
BEI - Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. - Chemical Abstracts Service Number
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC50 - Median Effective Concentration
EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) - IMDG Emergency Schedule Fire
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage
EU – European Union
ErC50 - EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC Code - International Bulk Chemical Code
IMDG - International Maritime Dangerous Goods
IPRV - Ilgalaikio Poveikio Ribinis Dydis
IOELV – Indicative Occupational Exposure Limit Value
LC50 - Median Lethal Concentration
LD50 - Median Lethal Dose
LOAEL - Lowest Observed Adverse Effect Level
LOEC - Lowest-Observed-Effect Concentration
Log Koc - Soil Organic Carbon-water Partitioning Coefficient
Log Kow - Octanol/water Partition Coefficient
Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
MARPOL - International Convention for the Prevention of Pollution

NDS - Najwyższe Dopuszczalne Stezenie
NDSch - Najwyższe Dopuszczalne Stezenie Chwilowe
NDSP - Najwyższe Dopuszczalne Stezenie Pulapowe
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
NRD - Nevirsytinas Ribinis Dydis
NTP – National Toxicology Program
OEL - Occupational Exposure Limits
PBT - Persistent, Bioaccumulative and Toxic
PEL - Permissible Exposure Limit
pH – Potential Hydrogen
REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
SADT - Self Accelerating Decomposition Temperature
SDS - Safety Data Sheet
STEL - Short Term Exposure Limit
STOT - Specific Target Organ Toxicity
TA-Luft - Technische Anleitung zur Reinhaltung der Luft
TEL TRK – Technical Guidance Concentrations
ThOD – Theoretical Oxygen Demand
TLM - Median Tolerance Limit
TLV - Threshold Limit Value
TPRD - Trumpalaikio Poveikio Ribinis Dydis
TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern
TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine
TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte
TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
VOC – Volatile Organic Compounds
VLA-EC - Valor Límite Ambiental Exposición de Corta Duración
VLA-ED - Valor Límite Ambiental Exposición Diaria
VLE – Valeur Limite D'exposition
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

Limit Value Legal Basis*

*Includes the below and any related regulations/provisions, and subsequent amendments

EU - 2019/1831 EU in accor. with 98/24/EC - Directive 2019/1831/EU of October 24, 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 2000/39/EC.

EU - 2019/1243/EU, and 98/24/EC - Council Directive 98/24/EC on the

Greece - PWHSE - Occupational Exposure Limits - Protection of workers' health and safety from exposure to certain chemical substances during the workday, (latest amendment 82/2018) and Occupation Exposure Limits - Protection of workers' health and safety from exposure to certain carcinogenic and mutagenic chemical substances (latest amendment 26/2020), and Presidential

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

protection of the health and safety of workers from the risks related to chemical agents at work and amendment Regulation (EU) 2019/1243.

Austria - BGBl. II Nr. 254/2018 - Ordinance on Limit Values for Workplace Substances and on Carcinogens from the Federal Ministry of Economics and Labour, Published in 2003, Appendix 1: Substance List, Published through: Ministry of Economics and Labour of the Republic of Austria amended through the Government Gazette II (BGBl. II) No 119/2004 & BGBl. II No. 242/2006, BGBl. II No. 243/2007, lastly changed through BGBl. I Nr. 51/2011), BGBl. II Nr. 186/2015, BGBl. II Nr. 288/2017 amended by BGBl. II Nr. 254/2018.

Austria - BLV BGBl. II Nr. 254/2018 - Ordinance on health monitoring at the workplace 2008, published through BGBl. II Nr. 224/2007 by Austria Minister for Labor and Social Affairs, Lastly changed through BGBl. II Nr. 254/2018

Belgium - Royal Decree 21/01/2020 - Royal decree amending title 1 relating to chemical agents in Book VI of the code of well-being at work, with regard to the list of limit values of exposure to chemical agents and title 2 relating to carcinogens, mutagens and reprotoxics of Book VI of the code of well-being at work (1)

Bulgaria - Reg. No. 13/10 -

Regulation No. 13 of December 30, 2003 on the Protection of Workers from Hazards Related to Exposure to Chemical Agents at Work Labor Code, Annex No.1 Limit values of chemical agents in the air of the working environment, and Annex № 2 Biological limit values of chemical agents and their metabolites (bio markers of exposure) or bio markers of effect Amended by: 71/2006, 67/2007, 2/2012, 46/2015, 73/2018, 5/2020), and Regulation No.10 of September 26, 2003 on the Protection of Workers from the Risks Associated with Exposure to Carcinogens and Mutagens at Work Annex No.1 Occupational Exposure Limits, Amended by: 8/2004, 46/2015, 5/2020

Croatia - OG No. 91/2018 - Regulation on the Protection of Workers from Exposure to Hazardous Chemicals at Work, the Limit Values of Exposure and the Biological Limit Values. Official Gazette No. 91 of October 12, 2018

Cyprus - KDP 16/2019 - Government of Cyprus Cabinet of Ministers Regulation 268/2001 - Safety and Health in the Working Environment (Chemical Substances) Article 38, As amended by Regulation 16/2019 and Cabinet of Ministers Regulation 153/2001 - Safety and Health in the Working Environment (Chemical Substances-Carcinogens), as amended by Regulation 493/2004 - Safety and Health in the Working Environment (Chemical Substances - Carcinogens) AND Law 47(I) 2000 - Occupational Health and Safety (Asbestos), as amended by Decree 316/2006.

Czech Republic - Reg. 41/2020 - Regulation 41/2020 amending Regulation 361/2007 of Coll. establishing Occupation Exposure Limits as amended

Czech Republic - Decree No. 107/2013 - Decree No. 107/2013 Coll., amending Decree No. 432/2003 Coll., laying down the conditions for the application of the work into categories, limit values for the parameters of biological exposure tests, collection of biological material conditions for the implementation of biological exposure tests and requirements for reporting work with asbestos and biological agents

Denmark - BEK No. 698 of 28/05/2020 - Order on Limit Values for Substances and Materials, The Statutory Order No. 507 of May 17, 2011, Appendix 1 - Limits for air pollution, etc. and Appendix 3 - Biological Exposure Values, Amended by: No. 986 of October 11, 2012, No. 655 of May 31, 2018, No. 1458 December 13, 2019, No. 698 of May 28, 2020

Estonia - Regulation No. 105 - Health and Safety Requirements for the Use of Dangerous Chemicals and Materials Containing Them and Occupational Exposure Limits to Chemical Agents
Government of the Republic, Regulation No. 105 of 20 March 2001, Amended 17 October 2019, and 17 January, 2020.

Finland - HTP-ARVOT 2020 - Concentrations Known to be Hazardous, 654/2020 OEL values 2020 Publications of Ministry of Social Affairs and Health 2020:24 Annexes1, 2 and 3.

France - INRS ED 984 - Occupational Exposure Limit Values to Chemical Agents in France Published 2016 by the INRS National Institute of Research and Safety Health and safety of work, revised, updated by: Decree 2016-344, JORF No 0119, and Decree 2019-1487.

France - Decree 2009-1570 - Decree 2009-1570 of December 15, 2009, relative to the control of chemical risk on workplaces.

Germany - TRGS 900 - Occupational Exposure Limits, Technical Rules for Dangerous Substances, latest amendment March, 2020

Germany - TRGS 903 - Biological Threshold Limits (BGW-Values), Technical Rules for Dangerous Substances, latest amendment March, 2020

Gibraltar - LN. 2018/131 - Factories (Control of Chemical Agents at Work) Regulations 2003 LN. 2003/035, amended by LN. 2008/035, LN. 2008/050, LN. 2012/021, LN. 2015/143, LN. 2018/181.

Decree 212/2006 - Protection of workers that are exposed to asbestos.

Hungary - Decree 05/2020 - 5/2020. (II. 6.) ITM decree on the protection of the health and safety of workers from the risks related to chemical agents

Ireland - 2020 COP - 2020 Code of Practice for the Chemical Agents Regulations, Schedule 1

Italy - Decree 81 - Title IX, Annex XLIII and XXXVIII, Professional Exposure Limits and Annex XXXIX Mandatory Biological Limit Values and Health Monitoring, Article 1, Law 123 of August 3, 2007, Legislative Decree 81 of April 9, 2008, Last amended: January 2020

Italy - IMDFN1 - Ministerial Decree of August 20, 1999 Final Note (1)

Latvia - Reg. No. 325 - Cabinet of Ministers Regulation No. 325 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces, Amended by Cabinet of Ministers Regulation No. 92, 163, 407 and No. 11.

Lithuania - HN 23:2011 - Lithuanian Hygiene Standard HN 23:2011 Occupational Exposure Limit Values, Amended by Order V-695/A1-272.

Luxembourg - A-N 684 - Grand-Ducal Regulation of 20 July 2018 amending the Grand-Ducal Regulation of 14 November 2016 concerning the protection of the safety and health of employees against the risks associated with chemical agents in the workplace. Official journal of the Grand-Duke of Luxembourg, A-N°684 of 2018

Malta - MOSHAA Ch. 424 - Malta Occupational Health and Safety Authority Act: Chapter 424 as amended by: Legal Notice 353, 53, 198, and 57.

Netherlands- OWCRV - Occupational Working Conditions Regulation, Limit Values for substances harmful to health, Annex XVIII, Updated from August 1, 2020.

Norway - FOR-2020-04-060695 - Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents, FOR-2011-12-06-1358, Updated by: FOR-2020-04-06-695, FOR-2020-03-23-402, FOR-2018-12-20-2186, FOR-2018-08-21-1255, FOR-2017-12-20-2353.

Poland - Dz. U. 2020 Nr. 61 - Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the Highest Allowable Concentrations and Intensities of Factors Harmful to Health in the Work Environment Dz.U. 2018 Nr. 1286 of June 12, 2018, Annex 1 - List of values of the highest permissible chemical concentrations and dust factors harmful to health in the work environment, amended by: Dz. U. 2020 Nr. 61.

Portugal - Portuguese Norm NP 1796:2014 - Occupational exposure limits and biological exposure indices to chemical agents. Table 1 - Occupational exposure limits and biological exposure indices to chemical agents (OELs), Law Decree 35/2020.

Romania - Gov. Dec. No 1.218 - Governmental Decision No. 1.218 from 06/09/2006 on the minimum health and safety requirements for protection of workers from the risks related to exposure to chemical agents, Annex No. 1 Mandatory National Occupational Exposure Limit Values for Chemical Agents. Amended by Decision no. 157, 584, 359, and 1.

Slovakia - Gov. Decree 33/2018 - Government Decree of Slovak Republic 33/2018 on January 17, 2018 amending Government Decree of Slovak Republic 355/2006 about protection of health of employees when working with chemical agents

Slovenia - No. 79/19 - Regulation for protection of workers against risks related to carcinogenic or mutagenic substances exposure. Annex III - Classification and binding levels of carcinogenic or mutagenic substances for occupational exposure. The Official Journal of the Republic of Slovenia, No. 101/2005. Amended by 38/15, 79/19. Regulation for protection of workers against risks related to exposure to chemical substances at the workplace. Republic of Slovenia, No. 100/2001 . Annex I - List of Binding Occupational Exposure Limit Values. Amended by 39/05, 53/07, 102/10, 38/15, 78/18, 78/19

Spain - AFS 2018:1 - NATIONAL INSTITUTE FOR HEALTH AND SAFETY AT WORK. Occupational exposure limits for chemical agents in Spain. Tables 1 and 3. Latest edition Feb. 2019

Sweden - AFS 2018:1 - Statute Book of the Swedish Work Environment Authority, AFS 2018:1
The Swedish Work Environment Authority's Ordinance and General Guidance on Hygienic Limit Values

Switzerland - OLVSNAlF - Occupational Limit Values 2020 Swiss National Accident Insurance Fund. List of Biological Limit Values (BAT-Werte) and List of MAK Values.

Silica Gel Desiccant

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.