

E7100-XXXX DESICCANT

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: E7100-XXXX DROOGMIDDEL
 Synonyms: Silicagel

CAS no.	: 7631-86-9	Reference	: COMM081	Revision	0
EC index No.	: N.A.	NFPA code	: N.D.		
EINECS No.	: 231-545-4	Molecular weight	: 60.08		
RTECS No.	: N.A.	Formula	: SiO ₂		

1.2 Use of the substance or the preparation:

Moisture absorbant

1.3 Company/undertaking identification:

CommScope Connectivity Belgium bvba
 Diestsesteenweg 692
 B-3010 Kessel-Lo
 ☎ +32 16 35 16 85
 #ProductCompliance@commscope.com

1.4 Telephone number for emergency:

+32 14 58 45 45 (NL, FR, GB, DE)
 Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
 Technische Schoolstraat 43A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
silicon dioxide, amorphous	7631-86-9 231-545-4	100	-	-

3. Hazards identification

- Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

4. First aid measures

4.1 Eye contact:

- Rinse immediately with plenty of water for 15 minutes
- Consult a doctor/medical service if irritation persists

4.2 Skin contact:

- Wash with lots of water and soap
- Consult a doctor/medical service if irritation persists

4.3 After inhalation:

- Remove the victim into fresh air
- Consult a doctor/medical service if breathing problems develop

4.4 After ingestion:

- Rinse mouth with water
- Give lots of water to drink
- Consult a doctor/medical service if you feel unwell

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E7100-XXXX DESICCANT

5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Non combustible
 - For surrounding fires: all extinguishing media allowed
- 5.2 Unsuitable extinguishing media:**
- Not applicable
- 5.3 Special exposure hazards:**
- None
- 5.4 Instructions:**
- No data available
- 5.5 Special protective equipment for firefighters:**
- Dust cloud production: compressed air/oxygen apparatus
 - Protective clothing for exposure to chemicals

6. Accidental release measures

- 6.1 Personal protection/precautions:** see heading 8.1/8.3
- 6.2 Environmental precautions:**
- Contain leaking substance, pump over in suitable containers
 - Plug the leak, cut off the supply
 - Knock down/dilute dust cloud with water spray
- 6.3 Methods for cleaning up:**
- Stop dust cloud by humidifying
 - Scoop solid spill into closing containers
 - Wash clothing and equipment after handling

7. Handling and storage

- 7.1 Handling:**
- Observe normal hygiene standards
 - Avoid raising dust
 - Clean contaminated clothing
- 7.2 Storage:**
- Keep container tightly closed
 - Store in a dry area
 - Meet the legal requirements
 - Keep away from: oxidizing agents
- | | | |
|--------------------------------|---|-------------|
| Storage temperature | : N.D. | °C |
| Quantity limits | : N.D. | kg |
| Storage life | : N.D. | days |
| Materials for packaging | : | |
| - suitable | : paper, fibreboard, synthetic material | |
| - to avoid | : no data available | |
- 7.3 Specific uses:**

E7100-XXXX DESICCANT

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	:		mg/m ³		ppm
TLV-STEL	:		mg/m ³		ppm
TLV-Ceiling	:		mg/m ³		ppm
WEL-LTEL	:	2.4 R/6 I	mg/m ³	-	ppm
WEL-STEL	:	-	mg/m ³	-	ppm
MAK	:	4 E	mg/m ³		ppm
MAC-TGG 8 h	:	5 R/10 I	mg/m ³		
MAC-TGG 15 min.	:		mg/m ³		
MAC-Ceiling	:		mg/m ³		
VME-8 h	:	5 A/10 T	mg/m ³	-	ppm
VLE-15 min.	:	-	mg/m ³	-	ppm
GWBB-8 h	:	3 R/10 I	mg/m ³	-	ppm
GWK-15 min.	:	-	mg/m ³	-	ppm
Momentary value	:		mg/m ³		ppm
EC	:		mg/m ³		ppm
EC-STEL	:		mg/m ³		ppm

Sampling methods:

- Silica, Amorphous (Respirable)
- Silica, Amorphous

NIOSH 7501
OSHA CSI

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Carry operations in the open/under local

8.2.1.1 respiratory protection:

- Dust production: dust mask with filter type P2
- High dust production: compressed air/oxygen apparatus

8.2.1.2 hand protection:

- Gloves
Suitable materials: Rubber
- Breakthrough time: N.D.

8.2.1.3 eye protection:

- Safety glasses
- In case of dust production: protective goggles

8.2.1.4 skin protection:

- Protective clothing
Suitable materials: Rubber

8.2.2 Environmental exposure controls: see heading 13

E7100-XXXX DESICCANT

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Amorphous solid / Amorphous powder
Odour : Odourless
Colour : White

9.2 Important health, safety and environmental information:

pH value : 4 (10 %)
Boiling point/boiling range : 2230 °C
Flashpoint : N.A. °C
Explosion limits : N.D. vol% (°C)
Vapour pressure (at 20°C) : 0 hPa
Vapour pressure (at 50°C) : N.D. hPa
Relative density (at 20°C) : 2.2
Water solubility : 0.15 g/100 ml
Soluble in : N.D.
Relative vapour density : N.D.
Viscosity : N.D. Pa.s
Partition coefficient n-octanol/water : N.D.
Evaporation rate :
 ratio to butyl acetate : N.D.
 ratio to ether : N.D.

9.3 Other information:

Melting point/melting range : 1610 °C
Auto-ignition point : N.D. °C
Saturation concentration : N.D. g/m³

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

10.2 Materials to avoid:

- Keep away from: oxidizing agents

10.3 Hazardous decomposition products:

- No data available

11. Toxicological information

11.1 Acute toxicity:

E7100-XXXX DESICCANT

LD50 oral rat	: > 10000	mg/kg
LD50 dermal rat	: N.D.	mg/kg
LD50 dermal rabbit	: > 5000	mg/kg
LC50 inhalation rat	: N.D.	mg/l/4 h
LC50 inhalation rat	: N.D.	ppm/4 h

11.2 Chronic toxicity:

E7100-XXXX DESICCANT

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: not listed

Carcinogenicity (TLV)	: not listed
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed

Carcinogenicity (MAK)	: not listed
Mutagenicity (MAK)	: not listed
Teratogenicity (MAK)	: C

IARC classification	: 3
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11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

- **AFTER INHALATION**
- AFTER INHALATION OF DUST:
 - Coughing
 - Slightly irritant to respiratory organs
- **AFTER SKIN CONTACT**
 - Dry skin
- **AFTER EYE CONTACT**
 - Slightly irritant to eyes

11.5 Chronic effects:

- **ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:**
 - Coughing
 - Respiratory difficulties

E7100-XXXX DESICCANT

12. Ecological information

12.1 Ecotoxicity:

E7100-XXXX DESICCANT:

- LC50 (96 h) : >10000 mg/l (BRACHYDANIO RERIO)
- EC50 (24 h) : >10000 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 440 mg/l (SELENASTRUM CAPRICORNUTUM)

12.2 Mobility:

- Volatile organic compounds (VOC): N.A. %
- Poorly soluble in water
- Substance sinks in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- biodegradation BOD₅ : N.A. % ThOD
- water : - N.D.
- soil : T_{1/2}: N.D. days

12.4 Bioaccumulative potential:

- log P_{ow} : N.D.
- BCF : N.D.
- Not bioaccumulative

12.5 Other adverse effects:

- WGK : - No water pollutant (Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005)
- Effect on the ozone layer : Not dangerous for the ozone layer (Council Regulation (EC) No 2037/2000, O.J. L244 of 29/09/2000)
- Greenhouse effect : no data available
- Effect on waste water purification : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 01 04 10 (dusty and powdery wastes other than those mentioned in 01 04 07)

13.2 Disposal methods:

- According to literature: no environmental hazard
- Recycle/reuse
- Remove to an authorized dump (Class III)
- Obtain the consent of pollution control authorities before discharging to wastewater treatment plants

13.3 Packaging/Container:

- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 01 (paper and cardboard packaging), 15 01 02 (plastic packaging)

14. Transport information

- 14.1 Classification of the substance in compliance with UN Recommendations
UN number :
CLASS : -
SUB RISKS :
PACKING :
PROPER SHIPPING NAME :
- 14.2 ADR (transport by road)
CLASS : NOT SUBJECT
PACKING :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :
- 14.3 RID (transport by rail)
CLASS : NOT SUBJECT
PACKING :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :
- 14.4 ADNR (transport by inland waterways)
CLASS : NOT SUBJECT
PACKING :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :
- 14.5 IMDG (maritime transport)
CLASS : NOT SUBJECT
SUB RISKS :
PACKING :
MFAG :
EMS :
MARINE POLLUTANT :
- 14.6 ICAO (air transport)
CLASS : NOT SUBJECT
SUB RISKS :
PACKING :
PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
PACKING INSTRUCTIONS CARGO AIRCRAFT :
- 14.7 Special precautions in connection with transport : not restricted for any mode of international transport

15. Regulatory information

15.1 EU legislation:

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

15.2 National provisions:

WGK : - (No water pollutant (Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005))

16. Other information

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace Exposure Limits - United Kingdom
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - The Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - directive 2000/39/EC

I : Inhalable fraction = **T**: Total dust = **E**: Einatembarer Aerosolanteil
R : Respirable fraction = **A**: Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a:	aerosol	r:	rook/Rauch	(fume)
d:	damp (vapour)	st:	stof/Staub	(dust)
du:	dust	ve:	vezel	(fibre)
fa:	Faser (fibre)	va:	vapour	
fi:	fibres	om:	oil mist	
fu:	fume	on:	olienevel/Ölnebel	(oil mist)
p:	poussière (dust)	part:	particles	

Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands