

# SAFETY DATA SHEET

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name of the substance	PINGI CAR-DEHUMIDIFIER LV-A150 - LV-A300
Identification number	-
Registration number	-
Product registration number	Not available.
Synonyms	amorphous silicon dioxide
Issue date	27-June-2014
Version number	01
Revision date	-
Supersedes date	-

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Desiccant. For adsorption of moisture and prevention of corrosion and mould growth.
Uses advised against	None known.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer	Innogoods BV
Address	Rivium 2e straat 40 NL-2909 LG Capelle aan den IJssel
Country	Netherlands
Telephone	+31 (0)88- 995 10 03
Fax	+31 (0)88- 995 10 09
e-mail	marco@innogoods.nl
Contact	Marco Verschuur
Web site	www.pingi.com

1.4 Emergency number +31 (0)88- 995 10 03 (09:00 - 17:00)

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This substance does not meet the criteria for classification according to Directive 67/548/EEC as amended.

#### Classification according to Regulation (EC) No 1272/2008 as amended

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Not classified for health hazards.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	This product has the potential for generation of respirable dust during handling and use. Slippery, can cause falls if walked on.
Main symptoms	Repeated exposure may cause skin dryness or cracking. Exposure to powder or dusts may be irritating to eyes, nose and throat.

### 2.2 Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

Identification number	-
Hazard statements	The substance does not meet the criteria for classification.

## Precautionary statements

<b>Prevention</b>	Not applicable
<b>Response</b>	Not applicable
<b>Storage</b>	Not applicable
<b>Disposal</b>	Not applicable

**Supplemental label information** Not applicable.

**2.3 Other hazards** Not assigned.

## Section 3: Composition/information on ingredients

### 3.1 Substance

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Silica gel	100	7631-86-9 231-545-4	-	-	#
<b>Classification:</b>	<b>DSD:</b> -				
	<b>CLP:</b> -				

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

## Section 4: First aid measures

#### General information

IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

#### 4.1 Description of first aid measures

<b>Inhalation</b>	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash the skin immediately with soap and water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). Drink water as a precaution. If ingestion of a large amount does occur, call a poison control centre immediately.

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

Irritant effects.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5: Firefighting measures

#### General fire hazards

Not a fire hazard.

#### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2 Special hazards arising from the substance or mixture

No unusual fire or explosion hazards noted.

#### 5.3 Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective clothing.
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**Special firefighting procedures**

No unusual fire or explosion hazards noted. Move containers from fire area if you can do so without risk.  
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Keep unnecessary personnel away. Ensure adequate ventilation.  
 Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits. In case of spills, beware of slippery floors and surfaces.  
 Use personal protective equipment.

**For emergency responders**

As detailed in section for non-emergency personnel. Use personal protection recommended in Section 8 of the MSDS.

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and material for containment and cleaning up**

If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.

**6.4 Reference to other sections**

For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

**Section 7: Handling and storage****7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.  
 In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe dust from this material.  
 Avoid contact with skin and eyes. Practice good housekeeping.  
 Forms smooth, slippery surfaces on floors, posing an accident risk.

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

Store in a well-ventilated place. Avoid dust formation. Keep containers tightly closed in a dry, cool and well-ventilated place.  
 Keep in air-tight containers- material is hygroscopic.  
 Guard against dust accumulation of this material.

**7.3 Specific end use(s)**

The specified uses for this material are shown in section 1 of this document

**Section 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits****United Kingdom**

Components	Type	Value	Form
Silica gel (7631-86-9)	TWA	6 mg/m3	Inhalable dust.
		2.4 mg/m3	Respirable dust.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures**

Follow standard monitoring procedures.

**DNEL**

Components	Type	Route	Value	Form
Silica gel (7631-86-9)	Industry	Inhalation	4 mg/m3	Respirable fraction.

**PNEC**

Not available.

**8.2 Exposure controls****Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. Ensure adequate ventilation, especially in confined areas.

## Individual protection measures, such as personal protective equipment

<b>General information</b>	Eye wash fountain is recommended. Keep working clothes separately. Launder contaminated clothing before reuse.
<b>Eye/face protection</b>	Wear safety glasses with side shields. Avoid contact with eyes. Use tight fitting goggles if dust is generated. (EN166)
<b>Skin protection</b>	
- <b>Hand protection</b>	Protective gloves are recommended. (EN374) Use protective gloves made of: PVC or other plastic material gloves.
- <b>Other</b>	Normal work clothing (long sleeved shirts and long pants) is recommended. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Wear respirator with dust filter. Respirator type FFP2 or FFP3 (EN 149:2001)
<b>Thermal hazards</b>	None known.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Do not get this material in contact with eyes. Do not breathe dust. Avoid contact with eyes. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.
<b>Environmental exposure controls</b>	No special measures required

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Dry flowable granules.
<b>Physical state</b>	Solid.
<b>Form</b>	Granules Beads
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	Not applicable
<b>Boiling point, initial boiling point, and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Density</b>	Not available
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Bulk density</b>	0.8 - 0.9 g/cm <sup>3</sup>
<b>Viscosity</b>	Not available.
<b>Percent volatile</b>	0 % estimated
<b>9.2 Other information</b>	No relevant additional information available.

## Section 10: Stability and reactivity

<b>10.1 Reactivity</b>	Material is stable under normal conditions.
<b>10.2 Chemical stability</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>10.4 Conditions to avoid</b>	Avoid spread of dust. Heat is evolved on contact with water Avoid conditions which create dust.
<b>10.5 Incompatible materials</b>	None known.
<b>10.6 Hazardous decomposition products</b>	No dangerous reaction known under conditions of normal use.

## Section 11: Toxicological information

<b>General information</b>	Data shown in this section has been published in the substance(s) REACH dossier This product has no known adverse effect on human health. Dust may be slightly irritating to eyes and respiratory tract. Prolonged skin contact may cause skin irritation and/or dermatitis.
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### Information on likely routes of exposure

<b>Ingestion</b>	Not classified.
<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation.
<b>Skin contact</b>	Not classified.
<b>Eye contact</b>	Not classified. Dust in the eyes will cause irritation.

<b>Symptoms</b>	None known. Possible irritant effects.
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### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	Not classified
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### Components

### Test results

Silica gel (7631-86-9)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Occluded (dermal) Acute Inhalation LC0 Rat: >= 0.69 mg/l 4.00 hours Acute Oral LD50 Rat: > 5000 mg/kg
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<b>Skin corrosion/irritation</b>	Not classified. Not irritating: OECD 404
<b>Serious eye damage/eye irritation</b>	Not classified. Dust in the eyes will cause irritation.
<b>Respiratory sensitisation</b>	Not classified.
<b>Skin sensitisation</b>	Not classified. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Germ cell mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	Not available.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Silica gel (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.
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<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not available.
<b>Mixture versus substance information</b>	Not applicable.
<b>Other information</b>	This product has no known adverse effect on human health.

## Section 12: Ecological information

### 12.1 Toxicity

Components	Test results
Silica gel (7631-86-9)	NOEL Algae: > 10000 mg/l 72.00 hours EC50 Daphnia: > 10000 mg/l 24.00 hours LC0 Zebra danio (Danio rerio): > 10000 mg/l 96.00 hours

\* Estimates for product may be based on additional component data not shown.

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>12.2 Persistence and degradability</b>	The product solely consists of inorganic compounds which are not biodegradable.
<b>12.3 Bioaccumulative potential</b>	Does not bioaccumulate.
<b>Mobility</b>	The product is immiscible with water and will sediment in water systems.
<b>Environmental fate - Partition coefficient</b>	Not applicable. (inorganic substance)
<b>12.4 Mobility in soil</b>	Insoluble and thus presents a low mobility in most soils
<b>12.5 Results of PBT and vPvB assessment</b>	Not applicable. PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>12.6 Other adverse effects</b>	Based on available data, there is no evidence of significant toxicity of Synthetic Amorphous Silica to environmental organisms.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

<b>Residual waste</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations. Material should be recycled if possible.
<b>Contaminated packaging</b>	Where possible recycling is preferred to disposal or incineration. Dispose of as unused product.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

## Section 14: Transport information

### ADR

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available.

## Section 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**

Not listed.

**Commission Decision 2000/479/EC on the implementation of a European pollutant emission register (EPER)**

Not listed.

**Regulation (EC) No. 1907/2006, Article 59(1). Candidate List**

Not listed.

**Other regulations**

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Prepared in accordance with Annex II of the REACH Regulation (EC) 1907/2006 as amended by Commission Regulation (EU) 453/2010), and with CLP Regulation (EC) 1272/2008. The product does not need to be labelled in accordance with EC directives or respective national laws.

**National regulations**

Not available.

**15.2 Chemical safety assessment**

Chemical Safety Assessment has been carried out.

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**Section 16: Other information****List of abbreviations**

Not available.

**References**

Not available.

**Information on evaluation method leading to the classification of mixture**

Not available.

**Full text of any statements or R-phrases and H-phrases under Sections 2 to 15**

None.

**Training information**

Not available.

**Disclaimer**

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