

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 14.05.2013

Revision: 14.05.2013

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** CONTAINER DESSICANT BAG

**Recommended Use of the Chemical and Restriction on Use:** Drying agent

**Details of Manufacturer or Importer:**

MeLa Group Pty Ltd  
3 Longtown Crt  
Craigieburn VIC 3064

**Phone Number:** 03 8339 7362

**Emergency telephone number:** 0487 329 898

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:** The product is not classified according to the Globally Harmonized System (GHS).

**Label Elements**

**Signal Word** Void

**Hazard Statements** Void

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

7631-86-9	Silica		55.04%
10043-52-4	calcium chloride	⚠ Eye Irrit. 2, H319	15-30%
1309-48-4	Magnesium oxide		11.20%
1344-28-1	aluminium oxide		8.79%
1309-37-1	Iron oxide		4.85%
12136-45-7	dipotassium oxide	⚠ Skin Corr. 1B, H314	1.14%

**Additional information:**

This dessicant is packed in an inner heat-sealed Tyvek bag and outer sewn polyester non-woven bag. There is no hazard unless the bag is damaged. If the bag opens, the resulting dust may cause health hazards when inhaled, ingested or in contact with the eyes or skin.

## 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

**Ingestion:**

If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Get medical attention immediately.

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## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Dry chemical, foam or water spray.

**Specific Hazards Arising from the Chemical**

Negligible fire and explosion hazard when exposed to heat and flame or by reaction with incompatible substance.

**Special Protective Equipment and Precautions for Fire Fighters**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid dust generation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Spilled area should be wet down with water to reduce dust generation before cleanup. Vacuuming method is preferred. Avoid dust generation. Provide adequate ventilation. Dispose of waste materials according to applicable local and state government regulations. Clay is slippery when wet.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Protect from heat. Store at temperatures below 45 °C. Keep container tightly closed. Protect from physical damage. Always reseal container and protective moisture barrier liner after use.

Shelf life is 2 years.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards (Safe Work Australia):**

**7631-86-9 Silica**

NES 2 mg/m<sup>3</sup>

**1309-48-4 Magnesium oxide**

NES 10 mg/m<sup>3</sup>

**1344-28-1 aluminium oxide**

NES 10 mg/m<sup>3</sup>

**1309-37-1 Iron oxide**

NES 5 mg/m<sup>3</sup>

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### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of particulates below occupational exposure standards. Ventilation used must be designed to prevent spots of dust accumulation or recycling of dusts.

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

If use conditions generate dust use a Safe Work Australia approved respirator. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

Impermeable gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

#### Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Granular solid
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>pH-Value:</b>	Not applicable.
<b>Melting point/Melting range:</b>	No information available
<b>Flash Point:</b>	Not applicable.
<b>Flammability:</b>	Non flammable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable.
<b>Relative Density at 20 °C:</b>	800 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable.
<b>Solubility in Water:</b>	Clay - Insoluble Calcium chloride - 97.7g/100mL @ 0 °C

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat or flame.

**Incompatible Materials:** No further relevant information available.

**Hazardous Decomposition Products:** No information available

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## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

##### 7631-86-9 Silica

Oral LD<sub>50</sub> 10000 mg/kg (rat)

##### 10043-52-4 calcium chloride

Oral LD<sub>50</sub> 1000 mg/kg (rat)

##### 1309-37-1 Iron oxide

Oral LD<sub>50</sub> >5000 mg/kg (rat)

### Acute Health Effects

**Inhalation:** Direct contact with material (dust) may cause the respiratory irritation.

**Skin:** Direct contact with material (dust) may cause skin irritation.

**Eye:** Direct contact with material (dust) may cause eye irritation.

**Ingestion:** May be harmful if ingested

**Skin Corrosion / Irritation:** Not expected to be a hazard.

**Serious Eye Damage / Irritation:** Not expected to be a hazard.

**Respiratory or Skin Sensitisation:** No sensitising effects known.

**Germ Cell Mutagenicity:** Not expected to be a hazard.

### Carcinogenicity:

Iron oxide is classified by IARC as a Group 3 - Not classifiable as to its carcinogenicity to humans.

Titanium dioxide is classified by IARC as a Group 2B - Possibly carcinogenic to humans.

**Reproductive Toxicity:** Not expected to be a hazard.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** Not expected to be a hazard.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** Not expected to be a hazard.

**Aspiration Hazard:** Not expected to be a hazard.

## 12 . ECOLOGICAL INFORMATION

### Ecotoxicity:

**Aquatic toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

### Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number**

Not applicable

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**Proper Shipping Name** Not applicable

**Dangerous Goods Class** Not applicable

**Subsidiary Risk:** Not applicable

**Packing Group:** Not applicable

**Marine pollutant:** No

## 15 . REGULATORY INFORMATION

### Australian Inventory of Chemical Substances:

7631-86-9	Silica
10043-52-4	calcium chloride
1309-48-4	Magnesium oxide
1344-28-1	aluminium oxide
1309-37-1	Iron oxide
12136-45-7	dipotassium oxide
13463-67-7	Titanium oxide (TiO <sub>2</sub> )
1305-78-8	calcium oxide
1313-13-9	Manganese oxide

## 16 . OTHER INFORMATION

**Creation Date:** 14.05.2013

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

### Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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