

# Safety Data Sheet

## According to Regulation (EC) No 1907/2006

PlantPack desiccant

Version 1.0

Issue date: 10/04/2014

Revision date: 10/04/2014

SDS Record Number: CSSS-TCO-010-114594

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

#### 1.1 Product identifier:

Identification on the label/Trade name: PlantPack desiccant  
Additional identification: Not available.  
Identification of the product: CAS# 7440-44-0; EC# 231-153-3  
Index Number: Not available.  
REACH registration No.: Not available.

#### 1.2 Relevant identified uses of the substance and uses advised against:

##### 1.2.1 Identified uses:

Anti-mould, Anti-Gas, absorbing gasses benzene and toluene.

##### 1.2.2 Uses advised against:

Not available.

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

Supplier(Only representative): -  
Supplier(Manufacturer): SINOPEC Nanjing Chemical Industries Co., Ltd  
Address: NO.355 Xinhua Road, Yanjiang Development Zone, Nanjing, China  
Contact person(E-mail): Jix.nhgs@sinopec.com  
Telephone: +86-25-57794085  
Fax: +86-25-57794085

#### 1.4 Emergency telephone Number:

+86-25-57794085 Only available during office hours (8:30a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours? YES  NO

### Section 2 Hazards Identification

#### 2.1 Classification of the substance/mixture

##### 2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
N/A	N/A

For full text of R- phrases: see section 16.

#### 2.2 label elements

**Hazard Pictograms:** No hazard pictogram is used.

**Signal Word(S):** No signal word is used.  
**Hazard Statement:** Not applicable.  
**Precautionary statement** Not applicable.

### 2.3 Other hazards

The substance is not considered a PBT/vPvB.

## Section 3 Composition/information on ingredients

**Substance/Mixture:** Substance

**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Carbon	-	7440-44-0	231-153-3	100%

## Section 4 First aid measures

### 4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### 4.1.1 In case of inhalation:

Move exposed person to fresh air. Keep person warm and at rest. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### 4.1.2 In case of skin contact:

Flush contaminated skin with plenty of soap and water. Fibres may cause skin irritation. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### 4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

#### 4.1.4 In case of ingestion:

Wash mouth out with water. Do not administer anything by mouth to an unconscious person.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, get medical advice/attention.

## Section 5 Fire-Fighting measures

### 5.1 Extinguishing media:

**Suitable extinguishing media:** Use Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray.

**Unsuitable extinguishing media:** High power water jet.

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

No specific fire or explosion hazard. During a fire the product can form carbon dioxide (CO<sub>2</sub>), carbon monoxide.

### 5.3 Special fire fighting methods and special protective actions for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6 Accidental release measures

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

**6.1.1 For non-emergency personnel:** Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

**6.1.2 For emergency responders:** Wear an appropriate respirator if dust is generated.

## 6.2 Environmental Precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Do not allow material to be released to the environment without proper governmental permits.

## 6.3 Methods for Containment and Cleaning up:

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container.

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container.

## 6.4 Reference to other sections:

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## 6.5 Additional information:

Not applicable.

## Section 7 Handling and storage

### 7.1 Precautions for safe handling:

#### 7.1.1 Protective measures:

Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing dust; if exposed to high dust concentration, leave area immediately. Work clothes should be washed separately at the end of each work day. Keep away from sources of ignition. Ensure good ventilation/exhaustion at the workplace. Normal measures for preventive fire protection.

#### 7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

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

Store in accordance with local regulations. Store in a dry place. Keep container tightly closed and sealed until ready for use.

### 7.3 Specific end use(s):

Not applicable.

## Section 8 Exposure Controls/Personal Protection

### 8.1 Control parameters:

**8.1.1 Occupational exposure limits:** Not available

**8.1.2 Additional exposure limits under the conditions of use:** Not available

**8.1.3 DNEL/DMEL and PNEC-Values:** Not available

### 8.2 Exposure controls

**8.2.1 Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Provide safety shower and cleaning eyes equipments.

#### 8.2.2 Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: safety glasses with side-shields.

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist

<b>Respiratory protection:</b>	before handling this product. Recommended: protective clothing. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: dust-protection mask.
<b>Thermal hazards:</b>	Wear suitable protective clothing to prevent heat.
<b>8.2.3 Environmental exposure controls:</b>	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

## Section 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Granuel
<b>Colour:</b>	Black
<b>Odour:</b>	Tastless
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/range (°C):</b>	> 500 °C
<b>Boiling point/range (°C):</b>	Not available
<b>Flash point (°C):</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability limit - lower (%):</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Ignition temperature (°C):</b>	Not available
<b>Upper/lower flammability/explosive limits:</b>	Lower: <10mg/l(dust)
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative Density:</b>	Not available
<b>Density (g/cm<sup>3</sup>):</b>	Not available
<b>Water solubility (mg/l):</b>	>= 4.5 <= 4.9 mg/L (20°C,PH >= 5.9 <= 6)
<b>n-Octanol/Water (log Po/w):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, dynamic (mPa.s):</b>	Not relevant, substance is solid
<b>Explosive properties:</b>	Not available
<b>Oxidising properties:</b>	Not available
<b>Molecular Formula:</b>	C
<b>Molecular Weight:</b>	Not available

### 9.2. Other information:

<b>Fat solubility(solvent– oil to be specified)</b>	Not available
<b>etc:</b>	
<b>Surface tension:</b>	Not available
<b>Dissociation constant in water( pKa):</b>	Not available
<b>Oxidation-reduction Potential:</b>	Not available

Specific gravity: Not available

## Section 10 Stability and reactivity

- 10.1 Reactivity:** The substance is stable under normal storage and handling conditions.
- 10.2 Chemical stability:** Stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- 10.4 Conditions to avoid:** Avoid dust formation.
- 10.5 Incompatible materials:** Not available
- 10.6 Hazardous decomposition products:** Carbon dioxide (CO<sub>2</sub>), carbon monoxide.

## Section 11 Toxicological information

### 11.1 Toxicokinetics, metabolism and distribution

**Non-human toxicological data:** Not available

### 11.2 Information on toxicological effects

**Acute toxicity:**

**LD50(Oral, Rat):** > 2000 mg/kg bw

**LD50(Dermal, Rabbit):** > 2000 mg/kg bw

**LC50(Inhalation, Rat):** Not available

**Skin corrosion/Irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**STOT- single exposure:** Not classified

**STOT-repeated exposure:** Not classified

**Aspiration hazard:** Not classified

## Section 12 Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

**Results of PBT&vPvB assessment:** The substance is not considered a PBT/vPvB.

**Other adverse effects:** Not available.

## Section 13 Disposal considerations

### 13.1 Waste treatment methods

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

### 13.2 Product / Packaging disposal:

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

## Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not Regulated	Not Regulated	Not Regulated
UN Proper shipping name:	Not Regulated	Not Regulated	Not Regulated
Transport hazard Class:	Not Regulated	Not Regulated	Not Regulated
Packaging group:	Not Regulated	Not Regulated	Not Regulated
Environmental hazards:	No	No	No
Special precautions for user:	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Regulated	Not Regulated	Not Regulated

## Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

Chemical Safety Assessment has been carried out? YES  NO

## Section 16 Other information

### 16.1 Indication of changes

Version 1.0 Amended by EU No 453/2010

### 16.2 Relevant R- phrases (number and full text):

Not applicable.

### 16.3 Training instructions:

Not applicable.

### 16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### 16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any

other product or process, is the responsibility of the user.

**Author: Hangzhou CIRS Co., Limited**

**Website: [www.cirs-group.com](http://www.cirs-group.com)**

**Tel: 0571-87206555**

**Email: [info@cirs-group.com](mailto:info@cirs-group.com)**