

# SAFETY DATA SHEET (1907/2006/EC)

## 1 Identification of the substance/preparation and company

### 1.1 Name of substance/preparation

Commercial product name: POWER SUPER FUNGICIDE

### 1.2 Use of substance / preparation:

Industrial.  
Sealants

### 1.3 Company name

Manufacturer/distributor: monotiki ST & DIM VLACHOS S.A.  
Street/POB-No.: 17 BLATSOUKA STR  
State/postal code/city: KARDITSA, GREECE  
Telephone: +302441041250  
Telefax: +302441026850

Information about the Safety Data Sheet:	Telephone	+302441041250
	Telefax	+302441026850
	eMail	monotiki@kar.forthnet.gr

### 1.4 Emergency telephone number

Emergency Information: +302441041250

## 2 Hazards identification

### 2.1 Classification:

R-Phrase	Description
R-	-

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

## 3 Composition/information on ingredients

### 3.1 Chemical characterization (preparation):

<b>Chemical characteristics</b>
Polydimethylsiloxane and filler and auxiliary products and alkoxy silane cross-linker

### 3.2 Hazardous ingredients:

EC-No.	CAS No.	Material	Content %		Warning Label (EC)	
			from	to	Symbol	R-Phrases
265-148-2	64742-46-7	Distillates, petroleum, hydrotreated middle		<12,0	Xn	65-66
214-685-0	1185-55-3	Trimethoxy methylsilane		<5,0	F, Xi	11-38
	128446-60-6	3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated		<5,0	Xi	10-36/38
220-449-8	2768-02-7	Trimethoxy vinylsilane		<5,0	Xn	10-20

Hydrocarbon mixtures were classified in accordance with the applicable notes in Annex I of the EC Directive on Dangerous Substances 67/548/EEC.

R-Phrase	Description
R65 R66	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
R11 R38	Highly flammable. Irritating to skin.
R10 R36/38	Flammable. Irritating to eyes and skin.
R10 R20	Flammable. Harmful by inhalation.

## 4 First-aid measures

### 4.1 General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

### 4.2 After inhalation:

Provide fresh air.

### 4.3 After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

### 4.4 After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

### 4.5 After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

## 5 Fire-fighting measures

### 5.1 Suitable extinguishing media:

water mist , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

### 5.2 Extinguishing media which must not be used for safety reasons:

water spray , water jet .

### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

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### 5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

## 6 Accidental release measures

### 6.1 Personal precautions:

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

### 6.2 Environmental precautions:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

### 6.3 Methods for cleaning up:

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

### 6.4 Further information:

Eliminate all sources of ignition.

## 7 Handling and storage

### 7.1 Handling

#### Precautions for safe handling:

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2. Spilled substance increases risk of slipping.

#### Precautions against fire and explosion:

Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, uncleaned vessels. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

## 7.2 Storage

**Conditions for storage rooms and vessels:**  
none known

**Advice for storage of incompatible materials:**  
not applicable

**Further information for storage:**  
Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place.

## 8 Exposure controls and personal protection equipment

### 8.1 Exposure limits

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### 8.2 Exposure limited and controlled

#### 8.2.1 Exposure in the work place limited and controlled

**General protection and hygiene measures:**

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling.

**Personal protection equipment**

**Respiratory protection:**

In case of long or strong exposure: gas mask filter ABEK .

**Hand protection:**

nitrile rubber protective gloves . Protective gloves made of butyl rubber . Gloves suitable for up to 60 minutes' use.

**Eye protection:**

protective goggles .

#### 8.2.2 Exposure to the environment limited and controlled:

Prevent material from entering surface waters and soil.

### 8.3 Further information for system design and engineering measures:

Observe information in section 7.

## 9 Physical and chemical properties

### 9.1 General information

Physical state / form.....: paste  
Colour.....: transparent  
Odour.....: pleasant

### 9.2 Important information about the protection of health, safety and the environment Method (67/548/EEC):

Melting point / melting range.....: not applicable  
Boiling point / boiling range.....: not applicable  
Flash point.....: not applicable  
Ignition temperature .....: > 400 °C (DIN 51794)  
Lower explosion limit (LEL).....: not applicable  
Upper explosion limit (UEL).....: not applicable  
Vapour pressure.....: not applicable  
Density.....: 0,98 - 1,05 g/cm<sup>3</sup> at 25 °C  
Water solubility / miscibility.....: virtually insoluble  
pH-Value.....: not applicable  
Viscosity (dynamic).....: not applicable

### 9.3 Other information

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5 - 44%(V).

Thermal decomposition.....: not applicable

## 10 Stability and reactivity

### 10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### 10.1 Conditions to avoid:

none known

### 10.2 Materials to avoid:

Reacts with: basic substances , acids and water . Reaction causes the formation of: methanol .

### 10.3 Hazardous decomposition products:

Under the effect of humidity: methanol . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

## 11 Toxicological information

### 11.0 General information:

Product not investigated.

### 11.1 Toxicological tests

#### Further information:

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### 11.2 Experience with man:

-

### 11.3 Further toxicological information:

Product(s) of hydrolysis: According to literature methanol (67-56-1) irritates mucuous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves (blindness) over a period of time. Organic solvent(s): According to literature aliphatic hydrocarbons are slightly irritating to the skin and mucuous membranes and have a skin drying and narcotic effect. If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur.

## 12 Ecological information

### 12.1 Ecotoxicity

No data known.

#### Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

### 12.2 Mobility

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### 12.3 Persistence and degradability

#### Biodegradation / further information:

Silicone content: Biologically not degradable. Organic solvent: Readily biologically degradable.

#### Further information:

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### 12.4 Bio-accumulation potential

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### 12.5 Other harmful effects

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### 12.6 Additional information

**General information:**

Silicone content: In cross-linked state not soluble in water. Easily separable from water by filtration.

**13 Disposal considerations**

**13.1 Material**

**Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

**13.2 Uncleaned packaging**

**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**14 Transport information**

**14.1 Land transport ADR and RID:**

**Road ADR:**

Valuation.....: Not regulated for transport

**Railway RID:**

Valuation.....: Not regulated for transport

**14.2 Transport by sea IMDG-Code**

Valuation.....: Not regulated for transport

**14.3 Air transport ICAO-TI/IATA-DGR**

Valuation.....: Not regulated for transport

**14.4 Transport/further information**

**Informing dept. ref. to heading 14. Transport information:**

Department Hazardous Materials Service, Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

**15 Regulatory information**

**15.1 Warning Label (EC)**

R-Phrase	Description
R-	-

  

S-Phrase	Description
S-	-

**Special identification instructions:** Safety data sheet available for professional users on request.

**15.2 National regulations:**

**15.3 Other international regulations**

**Details of international registration status**

Listed on or in accordance with the following inventories:

- IECSC - China
- TSCA - USA
- ENCS - Japan
- ECL - Korea
- AICS - Australia
- EINECS - Europe

<b>16 Other information</b>
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**16.1 Material**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

**16.2 Further information:**

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

**Note:**

*This information describes exclusively the safety requirements of the product / and based on our current knowledge, there are no assurance for properties of the product described / regarding the legal standard warranty. PROPERTIES of the material to be taken each time from the leaflets of the material.*

- End of Safety Data Sheet -