

# SAFETY DATA SHEET

Revision Date 17.05.2021  
Version 5.2

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

### 2.1 Product identifiers

Trade name : ShieldBiso™ PS15  
INCI name : Polysilicone-15  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.  
CAS-No. : 207574-74-1

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

Identified uses : Manufacture of substances

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

Company : Bisor Corporation  
5358, Huyi Road,  
Shanghai, 201806, P.R.  
CHINA

Telephone : +86 21 6183 4121  
Fax : +86 21 5186 1853

**1.4 Email** [info@bisorcare.com](mailto:info@bisorcare.com)

**1.5 Web** [www.bisorcare.com](http://www.bisorcare.com)

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## SECTION 2: Hazards identification

### 2.2 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 2 H330: Fatal if inhaled.

### 2.3 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H330 Fatal if inhaled.

Precautionary statements : **Prevention:**

P260 Do not breathe dust/ fume/ gas/ mist/ va-pours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P284 Wear respiratory protection.

**Response:**

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Disposal:**

P501 Dispose of contents/ container to an ap-

## 2.4 Other hazards

None known.

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## SECTION 3: Composition/information on ingredients

Synonyms : Polysilicone-15 (INCI)

Brief description of the product : Substance

ELINCS No. : 426-000-4

## 3.1 Substances

### Hazardous components

INCI Name	CAS-No. EC-No.	Concentration (%)
Polysilicone-15	207574-74-1 426-000-4	100

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

- |                         |   |
|-------------------------|---|
| General advice          | : Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later.   |
| If inhaled              | : Move to fresh air.<br>Keep patient warm and at rest. Keep respiratory tract clear.<br>If unconscious, place in recovery position and seek medical advice.<br>Call a physician or poison control centre immediately. |
| In case of skin contact | : Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water. If symptoms persist, call a physician.   |
| In case of eye contact  | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.                                 |
| If swallowed            | : Rinse mouth with water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person. Take victim immediately to hospital.  |

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

- |          |                               |
|----------|-------------------------------|
| Symptoms | : No specific symptoms known. |
|----------|-------------------------------|

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

- |           |                          |
|-----------|--------------------------|
| Treatment | : Treat symptomatically. |
|-----------|--------------------------|

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Alcohol-resistant foam<br>Dry chemical<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : High volume water jet   |

## 5.2 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Dry chemical  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

## 5.3 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : None known.

## 5.4 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately.  
This  
must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment. Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For personal protection see section 8.

For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling (see : Avoid exceeding the given occupational exposure limits (see

section 8).

For personal protection see section 8.

Provide sufficient air exchange and/or exhaust in work rooms.

Dispose of rinse water in accordance with local and national regulations.

Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion

: Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Avoid formation of aerosol.

Hygiene measures smoke.

: When using do not eat or drink. When using do not  
Avoid contact with skin, eyes and clothing.

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

Requirements for storage areas and containers

: Keep container tightly closed and dry. Prevent unauthorized access. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.

To maintain product quality, do not store in heat or direct sun-light.

### 7.3 Specific end use(s)

Specific use(s) : Not applicable

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection	
Material	: Nitrile rubber Fluorinated rubber
Skin and body protection	: Choose body protection according to the amount and
concentration	concentration of the dangerous substance at the work place.
Respiratory protection	: In case of mist, spray or aerosol exposure wear suitable
personal	personal respiratory protection and protective suit.
	In the case of vapour formation use a respirator with an
	approved filter.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: Colourless to light yellowish
Odour	: slight, characteristic
Odour Threshold	: No information available.
pH	: No data available
Solidification point	: $\leq -50\text{ °C}$ (OECD Test Guideline 102)
Boiling point/boiling range	: $> 223\text{ °C}$ (1,013 hPa) Decomposes below the boiling point.ca. $1,600\text{ °C}$ (calculated value)
Flash point	: $174\text{ °C}$ (closed cup)
Evaporation rate	: not determined
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Vapour pressure	: $< 0.00001\text{ hPa}$ ( $25\text{ °C}$ ; OECD Test Guideline 104)
Relative vapour density	: not determined
Density	: $1.023\text{ g/cm}^3$ ( $20\text{ °C}$ ; OECD Test Guideline 109)
Water solubility	: $\leq 0.1\text{ mg/l}$ ( $20\text{ °C}$ ) practically insoluble
Solubility in other solvents	: various organic solvents: soluble n-Octanol: $46\text{ g/l}$ ( $20\text{ °C}$ )

Partition coefficient: : log Pow  $\geq$  5.66 (20 °C)  
n-octanol/water  
Ignition temperature : 430 °C (DIN 51794)  
Thermal decomposition : Decomposes on  
heating. Viscosity, dynamic : 600 - 1,000 mPa.s  
(25 °C)  
Explosive properties : Not explosive  
Oxidizing properties : No data available

## 9.2 Other information

Refractive index : 1.440 - 1.445 (20 °C)  
Surface tension : 73 mN/m (20 °C)

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

### 10.4 Conditions to avoid

Heat

### 10.5 Incompatible materials

Strong acids and strong  
bases  
Strong oxidizing  
agents

### 10.6 Hazardous decomposition products

No decomposition if used as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity : LD50 (Rat):  $>$  2,000  
mg/kg (Fixed Dose  
Method)

Acute inhalation toxicity	: LC50 (Rat, 4 h): 0.285 - 1.838 mg/l This Acute Inhalation Toxicity Study was done under very specific conditions. These conditions were designed to produce a respirable aerosol. The test substance was heated to 50°C plus as a main condition. These conditions are not realistic for use of this product with normal handling.
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg
Skin irritation	: No skin irritation (Rabbit, OECD Test Guideline 404) : no phototoxic skin reaction (Guinea pig, OECD Test Guideline 406)
Eye irritation	: No eye irritation (Rabbit, OECD Test Guideline 405)
Sensitisation	: Did not cause sensitization. (Guinea pig, Maximisation Test, OECD Test Guideline 406) : no photoallergenic skin reaction (Guinea pig, Maximisation Test, OECD Test Guideline 406)
Genotoxicity in vitro	: not mutagenic, not genotoxic (Various test systems) : not photomutagenic, not photogenotoxic (Various test systems)
Genotoxicity in vivo	: not genotoxic (Mouse, Oral, Mutagenicity (micronucleus test))
Carcinogenicity	: This information is not available.
Reproductive toxicity	: This information is not available.
Teratogenicity	: not teratogenic NOAEL: 1,000 mg/kg bw/d (Rat, OECD Test Guideline 414)
STOT - single exposure (Acute exposure)	: The substance or mixture is not classified as specific target organ toxicant, single exposure.



STOT - repeated exposure : NOAEL (Oral, Rat) : 1000 mg/kg bw/d  
Sub-chronic toxicity study (90-day)

Aspiration toxicity : No aspiration toxicity classification

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish	: Cyprinus carpio (Carp) NOEC (96 h) > 100 mg/l (nominal concentration) (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	: Daphnia magna (Water flea) EC50 (48 h) > 10,000 mg/l (nominal concentration) (OECD Test Guideline 202)
Toxicity to algae	: Scenedesmus capricornutum (fresh water algae) NOEC (72 h) > 100 mg/l (nominal concentration) (OECD Test Guideline 201)
Toxicity to bacteria	: activated sludge NOEC (35 d) 100 mg/l No inhibition was observed under the biodegradation test conditions. (nominal concentration) (OECD Test Guideline 301F)

### 12.2 Persistence and degradability

Biodegradability	: Not readily biodegradable. < 1 % (35 d) (OECD Test Guideline 301F)
	: Not inherently biodegradable. < 1 % (35 d) (OECD Test Guideline 302C)

### 12.3 Bioaccumulative potential

Bioaccumulation : No significant bioaccumulation expected due to high molecular weight.

Partition coefficient: n-octanol/water

### 12.4 Mobility in soil

Distribution among environmental compartments

Surface tension : 73 mN/m ( 20 °C)

### 12.5 Results of PBT and vPvB assessment

Assessment : The substance does not fulfill the PBT criteria.  
: The substance does not fulfill the vPvB criteria.

### 12.6 Other adverse effects

Additional ecological information : There is no data available for this product.

: There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Discharge into the environment must be avoided.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

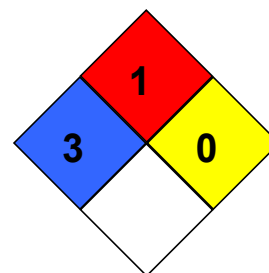
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Remarks : Not applicable

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture**

**NFPA Classification** : Health hazard: 3  
Fire Hazard: 1  
Reactivity Hazard: 0

**15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

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**SECTION 16: Other information****Further information**

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