

## SECTION 1

### *Identification of the substance/mixture and of the company/undertaking*

#### Product Information

<b>Product Name</b>	Supershield NS 25
<b>INCI Name</b>	Nisin
<b>CAS No.</b>	1414-45-5

#### Manufacturer Information

MAHA (CHINA) NEW MATERIAL TECHNOLOGY CO. LTD.  
Room 1104, Blk 10, Jingmao Royal House, Hangdu Avenue Section 4 No. 111, Shuangliu District,  
Chengdu, SiChuan Province, P.R.China

#### Emergency Telephone Number

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## SECTION 2

### *Hazards identification*

#### Classification of the substance or mixture

Nisin is non-hazardous.

#### Label elements

#### Labelling (CLP)

##### Pictogram

Not applicable.

#### Signal word

Not applicable.

#### Hazard statements

Not applicable.

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**Precautionary statements**

Not applicable.

**Other hazards**

Not applicable.

**SECTION 3*****Composition/Information on ingredients***

Component	Content	CAS No.
Nisin	≥ 25.0%	1414-45-5
NaCl	75.0%	7647-14-5

**SECTION 4*****First aid measures*****Description of first aid measures**

<b>Inhalation</b>	Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If symptoms occur seek medical advice.
<b>Skin contact</b>	Immediately wash skin with soap and water for at least 15 minutes. If symptoms occur seek medical advice.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart. If symptoms occur seek medical advice.
<b>Ingestion</b>	Wash out mouth with water. If symptoms occur seek medical advice.

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**SECTION 5*****Fire-fighting measures*****Extinguishing media****Suitable extinguishing media**

Water spray, dry powder, carbon dioxide or foam appropriate for surrounding fire and materials.

**Fire and explosion hazards**

This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential build-up of static electricity.

**Firefighting procedures**

As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

**SECTION 6*****Accidental release measures*****General precautions**

Remove ignition sources. Evacuate area.

**Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

**Clean up methods**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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**SECTION 7*****Handling and storage*****Precautions for safe handling**

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

Store in a cool, well-ventilated area and keep in a tightly closed container. Keep away from direct sunlight.

**SECTION 8*****Exposure controls/personal protection*****Engineering controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

**Skin and eye protection**

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from dust.

**Hygienic practices**

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated.

**SECTION 9*****Physical and chemical properties*****Information on basic physical and chemical properties**

<b>a) Appearance</b>	Grey to light yellow powder
<b>b) Odour</b>	Almost odourless

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c) Odour threshold	No data available
d) pH	No data available
e) Solubility	Soluble in water
f) Melting point	No data available
g) Flash point/flash point range	No data available
h) Evaporation rate	No data available
i) Flammability	No data available
j) Explosion limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Density	No data available
n) Partition coefficient: n-octanol/ water	No data available
o) Auto-ignition temperature	No data available
p) Decomposition temperature	No data available
q) Viscosity, dynamic	No data available
r) Explosive properties	No data available
s) Oxidizing characteristics	No data available

## SECTION 10

### *Stability and reactivity*

#### **Chemical stability**

Stable under normal conditions as recommended.

#### **Conditions to avoid**

None.

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**Hazardous decomposition products**

None.

**SECTION 11*****Toxicological information*****Acute toxicity**

Oral Rat LD50 9.26 g/kg (male), LD50 6.81g/kg (female).

**Irritancy data**

May cause mild skin and eye irritation.

**SECTION 12*****Ecological information***

Not available.

**SECTION 13*****Disposal considerations*****Waste treatment methods****Product**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Dispose of waste according to applicable legislation.

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### SECTION 14

#### *Transport information*

<b>UN number</b>		
ADR/RID: -	IMDG: -	IATA: -
<b>UN proper shipping name</b>		
ADR/RID:	No data available.	
IMDG:	No data available.	
IATA:	No data available.	
<b>Transport hazard class(es)</b>		
ADR/RID: -	IMDG: -	IATA: -
<b>Packaging group</b>		
ADR/RID: -	IMDG: -	IATA: -
<b>Environmental hazards</b>		
No data available.		
<b>Special precautions for user</b>		
No data available.		
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>		
No data available.		

### SECTION 15

#### *Regulatory information*

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

No data available.

##### **Chemical safety assessment**

No data available.

##### **Regulation**

Not classified as dangerous according to EU-directive 91/15.

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**SECTION 16*****Other information***

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