

## SAFETY DATA SHEET

### SpecPure® Ficin

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier:

Trade Name: SpecPure® Ficin

Substance Name: Ficin

CAS No.: 9001-33-6

EC No.: 232-599-1

Index No.: --

REACH Registration No.: *This substance is exempted from Registration as < 1t/a .*

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

Relevant identified uses: Raw material for Cosmetic

Uses advised against: No data available

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

Manufactured By: Spec-Chem Industry Inc.  
No.10 Wanshou Road (ShiLin Industrial Park)  
Nanjing 211800, P.R. of China

Phone Number: 86-25-84523390, 84523391

Fax Number: 86-25-84520790, 84520791

Email: [sc@specchemind.com](mailto:sc@specchemind.com)

Only representative: SpecChem GmbH  
Prinzenallee 1, 40549 Düsseldorf, Germany

Phone Number: +4917673592556

##### 1.4 Emergency telephone number:

112 / 116117 (European Union)

1-800-424-9300/ +1 703-527-3887 (North America, CCN 1010066)

#### SECTION 2: HAZARDOUS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin corrosion/irritation: Category 2, H315

Serious eye damage/eye irritation: Category 2, H319

Respiratory sensitisation: Category 1, H334

Specific target organ toxicity - single exposure, Category 3, H335

2.1.2 Additional information:

No more data.

##### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



### Hazard Pictogram(s)

### Signal word

Danger

### Hazard statement(s)

H315 Causes skin irritation

H319: Causes serious eye irritation

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation

### Precautionary statement(s)

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms: Call a doctor.

### 2.3 Endocrine disrupting properties

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance

Substance name	INCI Name	CAS No.	EC No.	Index number in CLP Annex VI	Weight % content
Ficin	Ficin	9001-33-6	232-599-1	--	≤100

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

#### In case of skin contact

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Wash off with soap and plenty of water. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

#### **In case of eye contact**

Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

No data available.

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

Treat symptomatically.

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### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1 Extinguishing Media:**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: high volume water jet.

#### **5.2 Special Hazards arising from the substance or mixture**

No data available.

#### **5.3 Advice for Fire Fighters**

Wear protective clothing to prevent contact with skin and eyes.

Wear self-contained breathing apparatus.

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

##### **6.1.1 For non-emergency personnel**

Protective equipment: Wear the recommended personal protective equipment. For more information, see section 8: "Exposure controls / personal protection".

Emergency procedures: Ventilate the spill area. Keep unnecessary staff away.

##### **6.1.2 For emergency responders:**

Protective equipment: Do not handle without suitable protective equipment. Provide adequate protection for cleaner. For more information, see section 8: "Exposure controls / personal protection".

Emergency procedures: Ensure well ventilated.

#### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not empty into drains/surface water/ground water.

#### **6.3 Methods and materials for containment and cleaning up**

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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## 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Protective measures: Do not handle or use product until safety precautions recommended in the SDS have been read and fully understood. Wear personal protective equipment. Ensure good ventilation to avoid the formation of dust. Avoid open flames.

Advice on general occupational hygiene: Wash hands and other exposed areas thoroughly after handling. Do not eat, drink or smoke while using this product.

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

Technical measures and storage conditions: Store in dry and cold place, keep away from incompatible materials, keep container closed, 2 - 8°C for long-term storage..

Packaging materials: Inner: Aluminum foil bag/plastic bag; Outer: carton box.

### 7.3 Specific end uses

no data available

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

8.1.1. National occupational / biological exposure limit values

No data available

8.1.2. Information on monitoring procedures

No data available

8.1.3. Air contaminants formed

No data available

8.1.4. DNELs / PNECs values

No data available

8.1.5. Control banding

No data available

### 8.2 Personal protective equipment

8.2.1. Appropriate engineering controls

Ensure the workplace is well ventilated.

8.2.2. Individual protection measures, such as personal protective equipment

Avoid unnecessary exposure.

8.2.2.1 Eye and face protection: Safety glasses with side shields. Wear eye protection according to EN 166.

8.2.2.2 Skin protection:

Hand protection: Protective gloves made of plastic or rubber. Wear gloves that have been tested according to the EN 374 standard.

Other skin protection: Wear suitable protective clothing when working

8.2.2.3 Respiratory protection: Respirator with organic vapor cartridge. Not applicable

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with adequate ventilation.

8.2.2.4 Thermal hazards: No further information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

Other Information: Do not eat, drink or smoke while using.

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Physical state	Powder
Colour	White or light yellow
Odour	No data available
Melting point	No data available
Boiling point	No data available
Flammability	No data available
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Solubility	No data available
Partition coefficient n-octanol/water	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	No data available

### **9.2 Other Information**

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No additional information available.

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## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No unusual reactivity

### **10.2 Chemical stability**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

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Heating.

### 10.5 Incompatibilities materials

Strong oxidising substances.

### 10.6 Hazardous decomposition products

If heated to more than 200°C, the following substance(s) will be released: Alkyl bromides.  
Amines..

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Oral: no data available.

Inhalation: no data available.

Dermal: no data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

Not a CMR substance.

#### Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available.

#### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available.

#### Aspiration hazard

No data available

### 11.2 Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No data available

#### 11.2.2. Other information

No data available

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

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**Acute toxicity:**

No data available.

**Long-term toxicity:**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 PBT and vPvB assessment**

Not a PBT or vPvB substance.

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

No data available.

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**SECTION 13: DISPOSAL CONSIDERATION****13.1 Waste treatment methods****Product**

Dispose in accordance with local/ regional/national/international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose in accordance with local/ regional/national/international regulations. Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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**SECTION 14: TRANSPROT INFORMATION****14.1 UN number:**

ADR/RID: -                   IMDG: -                   IATA: -

**14.2 UN proper shipping name**

ADR/RID:           Not dangerous goods

IMDG:               Not dangerous goods

IATA:                Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -           IMDG: -                   IATA: -

**14.4 Packaging group**

ADR/RID: -           IMDG: -                   IATA: -

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#### 14.5 Environmental hazards

ADR/RID: no      IMDG Marine pollutant: no      IATA: no

#### 14.6 Special precautions for user

Land transport: Not regulated

Sea transport: Not regulated

Air transport: Not regulated

Inland waterway transport: Not regulated

Rail transport: Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: REGULATORY INFORMATION

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

##### EU Regulations:

Authorisations and/or restrictions on use:

Authorisations: Not regulated

Restrictions on use: Not regulated

Other EU regulations:

Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline): Not regulated

##### National regulations:

Listing	Ficin
United States Toxic Substances Control Act (TSCA) Inventory	Listed
New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Not Listed
Australian Inventory of Industrial Chemicals (AIIC)	Not Listed
Canada Domestic Substances List (DSL)	Not Listed
Canada Non-Domestic Substances List (NDSL)	Not Listed
Vietnam National Chemical Inventory (NCI)	Not Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Not Listed
China Catalog of Hazardous chemicals 2015	Not Listed
Korea Existing Chemicals List (KECL)	Not Listed

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION

#### Version information:

Version 2.0: Updated in accordance with Regulation (EC) No.1907/2006 as amended by

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Regulation (EU) 2020/878, (EC) No.1272/2008.

**Abbreviations and acronyms:**

PBT, persistent, bioaccumulative, and toxic

vPvB, very persistent, very bioaccumulative

DNELs, Derived No Effect Levels

PNECs, Predicted No Effect Concentrations

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road

RID, Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG, International Maritime Dangerous Goods

IATA, International Air Transportation Association

**Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SPEC-CHEM IND shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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End of SDS