

# MATERIAL SAFETY DATA SHEET

ACC. TO EC1907/2006 amended by Regulation (EU) 2020/878

## TIANJIN JINJIN PHARMACEUTICAL CO., LTD.

Industrial Zone of Zhangjiawo Town, Xiqing District Economic and Development Area, Tianjin, China

Tel: 0086-22-87982602 Fax: 0086-22-87982950 Postcode: 300380

E-mail: [qa@jinjinpharm.com](mailto:qa@jinjinpharm.com) <http://www.jinjinpharm.com>

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

#### 1.1 Product identifier

Product: HYDROCORTISONE  
CAS No.: 50-23-7  
Molecular formula:  $C_{21}H_{30}O_5$   
Molecular Weight: 362.46

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

Main use category: API or manufacture of substance.  
Uses advised against: No additional information available

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

Tianjin Jinjin Pharmaceutical Co., Ltd.  
Industrial Zone of Zhangjiawo Town, Xiqing District, Tianjin, China;  
T +86(022)87982602 / F +86(022)87982950  
[info@jinjinpharm.com](mailto:info@jinjinpharm.com) – [www.jinjinpharm.com](http://www.jinjinpharm.com)

#### 1.4. Emergency telephone number

Emergency number +86-022-13902015566

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Full text of H statements: see section 16  
Adverse physicochemical, human health and environmental effects  
No additional information available

#### 2.2 Label elements

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

Hazard pictograms (CLP) :GHS08

Signal word (CLP) : Warning

Hazard statements (CLP) :

H373 - May cause damage to organs through prolonged or repeated exposure

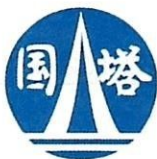
Precautionary statements (CLP) :

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P314 - Get medical advice/attention if you feel unwell



#### 2.3 Other hazards No additional information available



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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocortisone	CAS: 50-23-7	97%-103% (HPLC)	STOT RE 2, H373

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

First-aid measures after skin contact: Wipe off as much as possible (using a clean, soft, absorbent material).

First-aid measures after eye contact: Rinse eyes with water as a precaution.

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

No additional information available

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Extinguishing blanket.

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

Fire hazard: See Heading 2.2.

#### 5.3 Advice for firefighters

Firefighting instructions: Use extinguishing media appropriate for surrounding fire.

### SECTION 6: Accidental release measures

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

##### 6.1.1 For non-emergency personnel

Emergency procedures: Avoid all unnecessary exposure

##### 6.1.2 For emergency responders

No additional information available

#### 6.2 Environmental precautions

No additional information available

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

No additional information available

#### 6.4 Reference to other sections

No additional information available



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### **SECTION 7: Handling and storage**

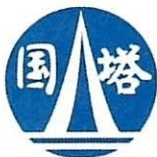
- 7.1 Precautions for safe handling No additional information available
- 7.2 Conditions for safe storage, including any incompatibilities  
No additional information available
- 7.3 Specific end use(s) See Heading 1.

### **SECTION 8: Exposure controls/personal protection**

- 8.1 Control parameters
- 8.1.1 National occupational exposure and biological limit values  
No additional information available
- 8.1.2. Recommended monitoring procedures No additional information available
- 8.1.3. Air contaminants formed No additional information available
- 8.1.4. DNEL and PNEC No additional information available
- 8.1.5. Control banding No additional information available
- 8.2 Exposure controls
- 8.2.1. Appropriate engineering controls  
Keep in a well-ventilated room. Both local exhaust and general room ventilation are usually required.
- 8.2.2. Personal protection equipment
- 8.2.2.1. Eye and face protection No additional information available
- 8.2.2.2. Skin protection  
Skin and body protection: Lab coat  
Hand protection: Protective gloves
- 8.2.2.3. Respiratory protection No additional information available
- 8.2.2.4. Thermal hazards No additional information available
- 8.2.3. Environmental exposure controls No additional information available

### **SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties
- Physical state: Solid
- Colour: Not available
- Appearance: Crystalline powder. White.
- Odour: Not available
- Odour threshold: Not available



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pH:	Not available
Relative evaporation rate (butylacetate=1):	Not available
Melting point:	214°C
Freezing point:	Not available
Boiling point:	Not available
Flash point:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Flammability (solid, gas):	Not available
Vapour pressure:	Not available
Relative vapour density at 20 °C:	Not available
Relative density:	Not available
Solubility:	Water: < 0,1 g/l
Log Pow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Explosive limits:	Not available

### 9.2 Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## **SECTION 10: Stability and reactivity**

10.1 Reactivity:	Stable under normal conditions.
10.2 Chemical stability:	No additional information available
10.3 Possibility of hazardous reactions:	None known.
10.4 Conditions to avoid:	No additional information available
10.5 Incompatible materials	None under normal use. See Heading 7.
10.6 Hazardous decomposition products	

When heated to decomposition, emits dangerous fumes.



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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) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation) :	Not classified
LD50 oral rat:	> 2000 mg/kg
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified

#### 11.2 Information on other hazards No additional information available

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Ecology - general:	Presents no specific risk for the environment
Hazardous to the aquatic environment, short-term(acute):	Not classified
Hazardous to the aquatic environment, long-term(chronic):	Not classified

#### 12.2 Persistence and degradability: No additional information available

#### 12.3 Bioaccumulative potential: No additional information available

#### 12.4 Mobility in soil: No additional information available

#### 12.5 Results of PBT and vPvB assessment: No additional information available

#### 12.6 Other adverse effects: No additional information available

#### 12.7 Other adverse effects: No additional information available

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

**Regional legislation (waste):** Dispose in a safe manner in accordance with local/national regulations.



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### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA

- 14.1 UN number: Not applicable  
14.2 UN proper shipping name: Not applicable  
14.3 Transport hazard class(es): Not applicable  
14.4 Packing group: Not applicable  
14.5 Environmental hazards: Not applicable  
14.6 Special precautions for user  
Overland transport: Not applicable  
Transport by sea: Not applicable  
Air transport: Not applicable  
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

15.1.1. EU-Regulations

Not listed on REACH Annex XVII(Restriction List)

Not listed on REACH Annex XIV (Authorisation List)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent) Not applicable.

POP Regulation (Persistent Organic Pollutants) Not applicable.

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations No additional information available

15.2 Chemical safety assessment: No additional information available

### **SECTION 16: Other information**

Full text of R-, H- and EUH-phrases:

**STOTRE 2:** Specific target organ toxicity — Repeated exposure, Category 2

**H373:** May cause damage to organs through prolonged or repeated exposure