

# Safety Data Sheet

## for Chemical Products

(依据 GB/T 16483-2008, GB/T 17519-2013)



# S D S

Version: 1.5-English

Product name: Dietary supplement CREAPURE®

Specification: 131878

Preparation date: 2013-4-9

Revision date: 2020-8-27

## Section 1 - Chemical Product & Company Information

### Product identifier:

Chinese chemical name: 食品补充剂 CREAPURE®

English chemical name: Dietary supplement CREAPURE®

### Uses of the chemical product:

Intended use: Dietary supplement.

Limited use: No information available.

### Supplier identifier:

Company name: AlzChem Shanghai Co. Ltd.

Address: Unit 501-5, Building C3,  
No. 700 Yishan Road, Xuhui District,  
Shanghai, CHINA

Postcode: 200233

E-mail: Alz-PST@alzchem.com

Telephone: +86-21-54249788-0

### Emergency telephone:

+86-532-83889090

## Section 2 - Hazards identification

### Emergency overview:

Colorless to slightly yellow powder, odorless. No information available.

### GHS classification:

Not classified.

### GHS label elements:

Pictogram: No pictogram.

Signal word: No signal word.

Hazard statement(s): No hazard statement.

Precautionary statement(s): No precautionary statement.

Other information:  
statement(s):

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### Danger/hazard identification:

Physical hazard(s): No information available.

Health hazard(s): No information available.

Environmental hazard(s): No information available.

### Other hazards:

Dusts can form explosive mixtures with air.

## Section 3 - Composition/Information on ingredients

**Description of the chemical product:** Substance.

### Hazard ingredients information:

Index	Chemical name	CAS No.	Concentration
1	Creatine monohydrate	6020-87-7	>= 99%

## Section 4 - First-aid Measures

### If inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

### If skin exposure:

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

### If eye exposure:

Rinse cautiously with plenty water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### If ingestion:

Consult a physician for severe cases.

### Acute/delayed effects and the main symptoms:

No information available.

### Notes for the doctor:

No hazards which require special treatment.

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## Section 5 –Fire Fighting Measures

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### Extinguishing agent:

Suitable extinguishing agent: Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), foam.

Unsuitable extinguishing agent: High volume water jet.

Special fire-fighting methods: No information available.

### Special hazard arising from the product:

In the case of fire, the following hazardous smoke fumes may be produced: Carbon oxides, nitrous gases.

### Fire-fighting measures and protection for fire-fighters:

Fire-fighters should wear appropriate breathing apparatus and protective equipment. Fire-fighting in the wind. Remove from fire and move to empty place. Cool containers with water spray. Provide adequate ventilation. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6 - Accidental Release Measures

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### Protective measures, protective equipment and emergency procedures:

Evacuate pollution area. Wear personal protective equipment (See section 8). Remove all sources of ignition. Avoid contact with skin and eyes. Avoid breathing dust. Ensure adequate ventilation.

### Environmental protection measures:

Prevent leakage into the sewer, drainage system or soil. Avoid release to environment. Inform the relevant authorities if the product has caused environmental pollution.

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

Sweep up and shovel into suitable containers for disposal. Avoid the formation of dust.

### Precautions measures to prevent secondary hazards:

Avoid the leakage again when cleaning up.

### Other reference information:

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## Section 7 - Handling and Storage

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### Handling:

Operators must receive special training, and strictly abide by the procedures. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes and skin. Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/ face protection. Wash thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces.  
– No smoking. Ground/bond container and receiving equipment.

### Storage:

Store in cool, dry and well-ventilated place. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces.  
Suitable materials: polyethylene, polypropylene.

## Section 8 - Exposure Controls and Personal Protection

### Permissible concentrations:

China-Occupational exposure limits for hazardous agents in the workplace[GBZ 2.1 - 2007]: Not established.

### Engineering control method:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Personal protective equipment:

Respiratory protection:	In case product dust is released: Dust protection mask in accordance with EN 149 FFP2
Eye protection:	Safety glasses.
Skin and body protection:	Suitable protective clothing
Hand protection:	Glove material: nitrile rubber Material thickness: 0.4 mm Break through time > 480 min Method: DIN EN 374
Other protection:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

## Section 9 - Physical and Chemical Properties

Appearance and status:	Colorless to slightly yellow powder
Odour:	Odorless
pH value:	7.4 (14 g/L) (20 °C) (saturated solution)

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Melting point:	ca.290 °C decomposition
Boiling point:	Not available.
Flash point:	Not applicable.
Flammable/Exposure limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Solubility:	In water: 14 g/L (20 °C)
Density:	Not available.
Bulk density:	Not available.
n-octanol/water partition coefficient:	log Pow: -2 (20 °C) Method: EEC method 92/69/EEC, A 8
Auto-ignition temperature:	Not available.
Ignition temperature:	> 800 °C
Decomposition temperature:	Not available.
Evaporation rate:	Not available.
Flammability:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.
Surface tension:	Not available.
Dynamic Viscosity:	Not available.
Kinematic Viscosity:	Not available.
Molecular weight:	149.1 g/mol

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## Section 10 - Stability and Reactivity

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### Stability:

No decomposition if stored and applied as directed.

### Possible hazardous reactions:

No known hazardous reactions.

### Conditions to be avoided:

> 250 °C

### Incompatible substances:

Strong acids and strong bases, strong oxidizing agents

### Hazardous decomposition products:

Ammonia

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### Section 11 - Toxicological Information

#### Acute toxicity:

Substance name	Oral, mouse (LD <sub>50</sub> ):	Inhalation, rat (LC <sub>50</sub> ):	Skin, rat (LD <sub>50</sub> ):
Creatine monohydrate	> 2000 mg/kg	-	> 2000 mg/kg

#### Skin corrosion or irritation:

Rabbit

No skin irritation.

Method: Directive 67/548/EEC, Annex V, B.4.

#### Eye damage or irritation:

Rabbit

No eye irritation

Method: Guideline 92/69/EEC B.5

#### Respiratory or skin sensitization:

Magnusson & Kligman guinea pig: not sensitizing

Method: Directive 96/54/EC, B.6

#### Germ cell mutagenicity:

Not mutagenic in AMES Test.

#### Carcinogenicity:

No evidence that cancer maybe caused.

#### Reproductive toxicity:

No indications of effects of reproductive / developmental toxicity.

#### Specific target organ system toxicity - Single exposure:

No information available.

#### Specific target organ system toxicity - repeated exposure:

No information available.

#### Aspiration hazard:

No information available.

#### General information:

Creatine is found in muscular tissue and is produced by the liver and kidneys.

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## Section 12 - Ecological Information

### Ecological toxicity:

Substance name	Test	Species	Value	Method
Creatine monohydrate	Fish, LC <sub>50</sub>	<i>Brachydanio rerio</i>	> 100 mg/L/ 96 h	Directive 92/69/EEC, C.2
	Fish, NOEC	-	> 100 mg/L	Directive 92/69/EEC, C.2
	Daphnia, EC <sub>50</sub>	<i>Daphnia magna</i>	> 1000 mg/L/ 48 h	Directive 92/69/EEC, C.2

### Persistence and degradability:

Exposure time: 28 d

Result: 96.6 % Readily biodegradable.

### Bioaccumulative potential:

No information available.

### Mobility in soil:

No information available.

## Section 13 - Disposal Considerations

### Waste disposal methods:

Discarded products: Conform to the standards provided by related laws and local public bodies.

Contaminated packing: Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

### Waste disposal precautions:

Before disposal should refer to local and national regulations. Avoid polluting environment during the disposal process.

## Section 14 - Transport Information

### UN Number:

Not regulated as dangerous goods.

### UN proper shipping name:

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**Transport hazard class(es):**

Not regulated as dangerous goods.

**Packing group:**

Not regulated as dangerous goods.

**Marine pollutant:**

Not marine pollutant.

**Special precautions for user:**

No information available.

## Section 15 - Regulatory information

**China Regulations:**

The following laws/regulations/standards specify corresponding provisions on the safe use, storage, transportation, loading and unloading, classification and labelling of the chemicals:

- 1) revised "Regulations on the Control over Safety of Hazardous Chemicals (Decree 591)
- 2) Safety rules for classification, Precautionary labelling and Precautionary statements of chemicals (GB30000.02-2013 ~ GB30000.29-2013);
- 3) 《Safety Data Sheet for Chemical Products - Content and Order of Sections》, 《Guidance on the compilation of safety data sheet for chemical products》 (GB/T 16483-2008, GB/T 17519-2013);

Inventory of Existing Chemical Substances in China: CAS# 6020-87-7 listed in.

List of hazardous chemicals: Not listed in.

List of highly toxic chemicals: Not listed in.

List of Dangerous Goods: Not regulated as dangerous goods.

**Other Chemical Regulations:**

CAS No.	EU EINECS/ELIN CS	USA TSCA	Canada DSL/NDL	Australia AICS	Korea KECL	Japan ENCS
6020-87-7	Listed	Listed	Listed	Listed	Listed	Listed

## Section 16 - Other information

**Revision Information:**

Date of this revision: 2020-8-27

This SDS complies with 《Safety Data Sheet for Chemical Products - Content and Order of Sections》, 《Guidance on the compilation of safety data sheet for chemical products》 (GB/T



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16483-2008, GB/T 17519-2013). The classification of the product in this SDS complies with GHS classification inventory, 《Safety rules for classification, Precautionary labelling and Precautionary statements of chemicals》 (GB30000.02-2013 ~ GB30000.29-2013).

### Training advice:

Provide adequate information, instruction and training for operators.

### Data source:

Provided by company.

ECHA: <http://echa.europa.eu/>

IFA GESTIS:

[http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng)

HSDB: <http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

ICSC: <http://www.ilo.org/dyn/icsc/showcard.home>

eChemPortal: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

NITE-CHRIP: [http://www.nite.go.jp/en/chem/chrip/chrip\\_search/srhInput](http://www.nite.go.jp/en/chem/chrip/chrip_search/srhInput)

### Abbreviations and acronyms:

CAS:	Chemical Abstracts Service registration number.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
EINECS/ELINCS:	European Inventory of Existing Commercial Chemical Substances.
IECSC:	Inventory of existing chemical substances in China.
TSCA:	Toxic Substances Control Act, The American chemical inventory.
ENCS:	Japan Existing and New Chemical Substances.
DSL/NDSL:	Domestic Substances List, The Canadian chemical inventory.
AICS:	The Australian Inventory of Chemical Substances.
KECL:	Existing Chemicals List, the Korean chemical inventory.

### Disclaimer to reader:

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

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