



Material Safety Data Sheet

Creatine

1 Product identification

<u>Product name</u>	Creatine
<u>Manufacture</u>	Room 1138, 2th Building , LvdiHuichuang international square, NO.6, Kexing Road, Baiyun District, Guangzhou, GuangDong, China. Tel: 020-36261692 36261697 Fax: 020-36261697 Website: www.silat-group.com

2 Composition and ingredient information

<u>INCI name</u>	Creatine
<u>CAS NO</u>	6020-87-7

3 Possible hazard

Potential Acute Health Effects

Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator)

<u>Carcinogen</u>	Not available
<u>Mutagenic effects</u>	Not available
<u>Developmental toxicity</u>	Not available
<u>Other information</u>	The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage

4 First aid measures

<u>Skin contact</u>	Immediately wash with plenty of water and cover the irritated skin with emollient. If serious, Wash with a disinfectant soap and cover the contaminated skin with anti-bacterial cream. Seek medical attention.
<u>Eye contact</u>	Flush with plenty of water for at least 15 minutes keeping eyelids open. Cold water may be used. Do not use an eye ointment. Get medical attention
<u>Inhalation</u>	Allow the victim to rest in a well ventilated area. Get immediate medical attention.
<u>Ingestion</u>	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Get immediate medical attention.
<u>Other first aid information</u>	Not Known

5 Fire fighting measures

<u>Fire Fighting Media and Instructions</u>	Small fire: Use DRY chemical power.
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<u>Flammability of the Product</u>	Large fire: Use water spray, fog or foam. Do not use water jet.
<u>Unusual fire fighting hazards</u>	May be combustible at high temperature
<u>Special fire fighting procedure</u>	Not known
<u>Other recommendations</u>	Not known
	No special precautions or measures necessary

6 Accidental release measures

<u>Personal precautions</u>	Avoid eye and skin contact and inhalation
<u>Environmental precautions</u>	None
<u>Cleanup procedures</u>	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuating through the sanitary system.

7 Handling and Storage

Handling precautions

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing in case of insufficient ventilation, wear suitable respiratory equipment if you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage precautions

Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

<u>Other information</u>	Keep the product in a clean, cool and dark place.
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8 Exposure controls and personal protection

<u>8.1 Exposure Limits</u>	Not available.
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8.2 Engineering control measures

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.3 Personal protective equipment

Respiratory protection	Self contained breathing apparatus
Hand protection	Gloves
Eye protection	Splash goggles
Skin protection	Lab coat
Other	Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9 Physical and chemical properties

9.1 Appearance

Physical state	Solid
Color	Not available
Odor	Not available

9.2 Safety related information

Molecular Weight _	149.16g/mole
pH (1% soln/water)	Not available.
Critical Temperature	Not available
Melting Point	Decomposes. (303°C or 577.4°F)
Boiling Point	Decomposes. (303°C or 577.4°F)
Specific Gravity	1.3 (Water=1)
Vapor Pressure	Not applicable-Vapor Density: Not available
Volatility	Not available
Odor Threshold	Not available
Water/Oil Dist. Coeff	Not available
Ionicity (in Water)	Not available
Dispersion Properties	See solubility in water
Solubility	Partially soluble in cold water

10 Stability and reactivity

<u>Conditions to avoid</u>	Not Known
<u>Materials to avoid</u>	Avoid contact with strong oxidizing agents
<u>Hazardous decomposition products</u>	Not Known

11 Toxicological information

<u>Routes of Entry</u>	Eye contact. Inhalation. Ingestion.
<u>Toxicity to Animals</u>	LD50: Not available. LC50: Not available.
<u>Chronic Effects on Humans</u>	The substance is toxic to lungs, mucous membranes.
<u>Other Toxic Effects on Humans</u>	Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).

12 Environmental information

<u>Ecotoxicity</u>	Not available
<u>BOD5 and COD</u>	Not available
<u>Products of Biodegradation</u>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<u>Toxicity of the Products of Biodegradation</u>	The products of degradation are more toxic.
<u>Special Remarks on the Products of Biodegradation</u>	Not available

13 Disposal considerations

<u>Product disposal</u>	Flush with plenty of water into the sewage system
<u>Packaging disposal</u>	Must be dumped or incinerated in accordance with local regulations.

14 Transport information

Not classified as hazardous under transport regulations.

15 Regulatory information

Supply classification and labeling

No special packaging and labeling required

National legislation

For further information we recommend to consider the corresponding appropriate national legislation.

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