

## 1 - Identification

<b>Product name</b>	Creatine monohydrate
<b>CAS-No.</b>	6020-87-7
<b>Identified uses</b>	Laboratory chemicals, synthesis of substances
<b>Address</b>	Ingredients To Die For, 11110 Metric Blvd, Ste D, Austin, TX 78758
<b>Phone</b>	512-535-2711
<b>Emergency Phone</b>	Chemtrec Emergency Hotline: 800-424-9300 (US and Canada)

## 2 - Hazard(s) Identification

**Classification of the substance or mixture** Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

**Hazards not otherwise classified (HNOC) or not covered by GHS** None

## 3 - Composition/Information on Ingredients

### Substances

<b>Formula</b>	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> * H <sub>2</sub> O
<b>Molecular weight</b>	149.15 g/mol
<b>CAS-No.</b>	6020-87-7
<b>EC-No.</b>	200-306-6

No components need to be disclosed according to the applicable regulations.

## 4 - First-Aid Measures

### Description of first aid measures

<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>In case of skin contact</b>	Wash off with soap and plenty of water.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Most important symptoms and effects, both acute and delayed</b>	The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

**State of the Art Ingredients \* Fast Friendly Service**

**Indication of any immediate medical attention and special treatment needed** No data available.

## 5 - Fire-Fighting Measures

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

**Special hazards arising from the** No data available.

**Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information** No data available.

## 6 - Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection, see section 8.

**Environmental precautions** No special environmental precautions required.

**Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections** For disposal see section 13.

## 7 - Handling and Storage

**Precautions for safe handling** Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Fore precautions see section 2.2.

**Conditions for safe storage, including and incompatibilities** Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

**Specific end use(s)** Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

## 8 - Exposure Controls/Personal Protection

<b>Components with workplace control para</b>	Contains no substances with occupational exposure limit values.
<b>Appropriate engineering controls</b>	General industrial hygiene practice.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove"s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Full contact</b>	Material: Nitrile rubber. Minimum layer thickness: 0.11 mm Break through time: 480 min  Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)
<b>Splash contact</b>	Material: Nitrile rubber. Minimum layer thickness: 0.11 mm Break through time: 480 min  Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)
<b>Data source</b>	KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659-87300, e-mail sales@kcl.de, test method: EN374
<b>Body protection</b>	If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
<b>Respiratory protection</b>	Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure</b>	No special environmental precautions required.

## 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	White powder
<b>Odor</b>	No data available.
<b>Odor threshold</b>	No data available.
<b>"</b>	No data available.
<b>Melting point/freezing point</b>	Melting point/range: 292 C (558 F)
<b>Initial boiling point and boiling range</b>	No data available.
<b>Flash point</b>	No data available.
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<b>Upper/lower flammability or explosive limit</b>	No data available.
<b>Other safety information</b>	No data available.

## 10 - Stability and Reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides, Nitrogen oxides (NOx). Other decomposition products - No data available. In the event of fire, see section 5.

## 11 - Toxicological Information

### Acute toxicity

Musculoskeletal Other changes

TDLo Oral - Rat - 1,535 mg/kg

Remarks: muskuloskeleta: other changes

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 sensitisation** No data available.

**Germ cell mutagenicity** No data available.

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity** No data available.

**Specific target organ toxicity - single expc** No data available.

**Specific target organ toxicity - multiple ex** No data available.

**Aspiration hazard** No data available.

### Additional information

RTECS: MB7706000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12 - Ecological Information

**Toxicity** No data available.

**Persistence and degradability** No data available.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Results of PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects** No data available.

## 13 - Disposal Considerations

### Waste treatment methods

Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

## 14 - Transport Information

DOT (US)	Not dangerous goods.
IMDG	Not dangerous goods.
IATA	Not dangerous goods.

## 15 - Regulatory Information

<b>SARA 302 Components</b>	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313 Components</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>SARA 311/312 Hazards</b>	No SARA hazards.
<b>Massachusetts Right To Know Component</b>	No components are subject to the Massachusetts Right To Know Act.
<b>Pennsylvania Right To Know Components</b>	
Creatine Monohydrate	CAS-No. 6020-87-7
<b>New Jersey Right to Know Components</b>	
Creatine Monohydrate	CAS-No. 6020-87-7
<b>California Prop. 65 Components</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16 - Other Information

<b>HMIS Rating</b>	Health
	Chronic Health hazard
	Flammability
	Physical hazard
<b>NFPA Rating</b>	Health hazard
	Fire hazard
	Reactivity hazard

### Further information

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

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~~represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from handling or from contact with the aboveproduct.~~

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