

1 - Identification

Product name	Creatine monohydrate
CAS-No.	6020-87-7
Identified uses	Laboratory chemicals, synthesis of substances
Address	Ingredients To Die For, 11110 Metric Blvd, Ste D, Austin, TX 78758
Phone	512-535-2711
Emergency Phone	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

Formula	C ₄ H ₉ N ₃ O ₂ * H ₂ O
Molecular weight	149.15 g/mol
CAS-No.	6020-87-7
EC-No.	200-306-6
No components need to be disclosed according to the applicable regulations.	

4 - First-Aid Measures

Description of first aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed	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

Components with workplace control para Contains no substances with occupational exposure limit values.

Appropriate engineering controls General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

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.

Full contact

Material: Nitrile rubber.

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber.

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)

Data source

KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659-87300, e-mail sales@kcl.de, test method: EN374

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.

Body protection

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

Respiratory protection

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).

Control of environmental exposure

No special environmental precautions required.

9 - Physical and Chemical Properties

Information on basic physical and chemical properties

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

10 - Stability and Reactivity

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	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: musculoskeleta: 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 exposure

No data available.

Specific target organ toxicity - multiple exposure

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

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	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.
SARA 311/312 Hazards	No SARA hazards.
Massachusetts Right To Know Component	No components are subject to the Massachusetts Right To Know Act.
Pennsylvania Right To Know Components	
Creatine Monohydrate	CAS-No. 6020-87-7
New Jersey Right to Know Components	
Creatine Monohydrate	CAS-No. 6020-87-7
California Prop. 65 Components	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

HMIS Rating

Health

Chronic Health hazard

Flammability

Physical hazard

NFPA Rating

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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