



## Section 1. Product and Company Identification

**Product Name** Creatine HCl  
**CAS Number** 17050-09-8

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

## Section 2. Hazards Identification

### Classification of the substance or mixture

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

**Classification:** Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Hazard and precautionary statements

**Hazard statements:** Not classified.

**Precautionary Statements - Prevention:** Wash hands thoroughly after handling

**Precautionary Statements - Response:** IF exposed or concerned: Get medical advice/attention

**Hazards not otherwise classified (HNOC):** Not applicable.

**Other Information:** Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

## Section 3. Composition / Information on Ingredients

**Common Name** Creatine HCl  
**Formula**  $C_4H_{10}ClN_3O_2$   
**CAS Number** 17050-09-8

COMPONENT	CAS NUMBER	CONCENTRATION
Creatine HCl	17050-09-8	> 98%

## Section 4. First Aid Measures

**General advice:** Consult a physician if necessary. Remove to fresh air.

**Eye contact:** Wash with plenty of water.

**Skin Contact:** Wash skin with soap and water.

**Inhalation:** Remove to fresh air if breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Ingestion:** Never give anything by mouth to an unconscious person. Clean mouth with water.

**Most important symptoms and effects, both acute and delayed:** No information available.

**Indication of any immediate medical attention and special treatment needed:** Note to physicians. Treat symptomatically.

#### Section 5. Firefighting Measures

##### **Suitable Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** None.

##### **Specific hazards arising from the chemical**

**Specific hazards arising from the chemical:** Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

**Hazardous combustion products:** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Phosgene.

##### **Explosion data**

**Sensitivity to Mechanical Impact:** No information available.

**Sensitivity to Static Discharge:** No information available.

##### **Protective equipment and precautions for firefighters**

**Protective equipment and precautions for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### Section 6. Accidental Release Measures

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

**Personal precautions:** Ensure adequate ventilation, especially in confined areas.

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

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

#### Section 7. Handling and Storage

##### **Precautions for safe handling**

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety

practice. Corrosive hazard. Wear protective gloves/clothing and eye/face protection. Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

**Incompatible materials:** None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls:** Showers. Eyewash stations. Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection:** Wear protective gloves and protective clothing.

**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** No information available

**Odor:** No information available

**pH:** No information available

**Melting point/freezing point:** 162°C

**Boiling point:** No information available

**Flash point:** No information available

**Density:** No information available

**Evaporation rate:** No information available

**Upper flammability limits:** No information available

**Lower flammability limit:** No information available

**Vapor pressure:** No information available

**Vapor density:** No information available

**Specific gravity:** No information available

**Water solubility:** No information available

**Solubility in other solvents:** No information available  
**Partition coefficient:** No information available  
**Autoignition temperature:** No information available  
**Decomposition temperature:** No information available  
**Kinematic viscosity:** No information available  
**Explosive properties:** No information available  
**Oxidizing properties:** No information available

#### Section 10. Stability and Reactivity

**Reactivity:** Not applicable  
**Chemical stability:** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions:** None under normal processing.  
**Hazardous polymerization:** No information available.  
**Conditions to avoid:** Extremes of temperature and direct sunlight.  
**Incompatible materials:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon oxides. Nitrogen oxides (NOx). Phosgene.

#### Section 11. Toxicological Information

##### Information on likely routes of exposure

**Inhalation:** No data available.  
**Eye contact:** No data available.  
**Skin Contact:** No data available.  
**Ingestion:** No data available.

##### Information on toxicological effects

**Symptoms:** No information available.

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Chronic Toxicity:** No information available.

##### Numerical measures of toxicity - Product Information

**Unknown acute toxicity:** 100% of the mixture consists of ingredient(s) of unknown toxicity

#### Section 12. Ecological Information

**Ecotoxicity:** May cause long lasting harmful effects to aquatic life. 100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.  
**Persistence and degradability:** No information available.  
**Bioaccumulation:** No information available.  
**Mobility:** No information available.



### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

### Section 14. Transport Information

**DOT:** Not regulated  
**IMDG:** Not regulated  
**IATA:** Not regulated

### Section 15. Regulatory Information

#### International Inventories

**All of the components in the product are on the following inventory lists:** No information available

#### X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances

#### US Federal Regulations

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

**Acute health hazard:** No

**Chronic Health Hazard:** No

**Fire hazard:** No

**Sudden release of pressure hazard:** No

**Reactive hazard:** No

**CWA (Clean Water Act):** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### US State Regulations

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.



**U.S. State Right-to-Know Regulations:** This product does not contain any substances regulated by state right-to-know regulations

Section 16. Other Information
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**Disclaimer:** 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 document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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