

# Material Safety Data Sheet



**CREATININE**

**VERSION : 02**

**DATE OF ISSUE : 26-08-2019**

**SUPERSEDES : 01**

**Product Code : 13840**

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name :** CREATININE

**Product code :** 13840

**Identification of the product :** CREATININE

**CAS No :** 60-27-5

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use :** Industrial. For professional use only.

### **1.3. Details of the supplier of the safety data sheet**

**Company identification :** MOLYCHEM

**Office:** 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

**Email :** [info@molychem.net](mailto:info@molychem.net)

**Works:** Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

### **1.4. Emergency telephone number**

**Emergency number :** +91 22 4066 8111 (10:00am - 6:00 pm).

## **2. Hazards identification**

### **2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

### **2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display**

**Extra classification(s) to display**

**R Phrase(s) :** R22: Harmful if swallowed.

R24/25: Toxic in contact with skin and if swallowed.

No labelling applicable

### **2.3. Other hazards**

No additional information available

## **3. Composition/information on ingredients**

### **3.1. Substances: CREATININE**

**CAS-No. :** 60-27-5

**Substance.**

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Contains no other components or impurities which will influence the classification of the product.

## **4. First aid measures**

### **4.1. Description of first aid measures**

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of water/....

First-aid measures after eye contact : Rinse immediately with plenty of water.

First-aid measures after ingestion : Rinse mouth.

### **4.2. Most important symptoms and effects, both acute and delayed**

No additional information available

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **5. Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

### **5.2. Special hazards arising from the substance or mixture**

No additional information available

### **5.3. Advice for firefighters**

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **6. Accidental release measures**

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

#### **6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

#### **6.1.2. For emergency responders**

Protective equipment : Use personal protective equipment as required.

### **6.2. Environmental precautions**

Avoid release to the environment.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

### **6.4. Reference to other sections**

No additional information available

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## **7. Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### **7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

### **7.3. Specific end use(s)**

No additional information available

## **8. Exposure controls/personal protection**

### **8.1. Control parameters**

No additional information available

### **8.2. Exposure controls**

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

**Odour threshold** : No data available

**pH** : 7.5 - 8.5

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : 295 °C

**Freezing point** : No data available

**Boiling point** : No data available

**Flash point** : 290 °C

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapour pressure** : No data available

**Relative vapour density at 20 °C** : No data available

**Relative density** : No data available

**Density** : 1.09 g/cm<sup>3</sup>

**Solubility** : Water: Slightly soluble in water

**Log Pow** : No data available

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

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**Explosive properties :** No data available

**Oxidising properties :** No data available

**Explosive limits :** No data available

## **9.2. Other information**

No additional information available

## **10. Stability and reactivity**

### **10.1. Reactivity**

No additional information available

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

Air contact. Moisture.

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

No additional information available

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

pH: 7.5 - 8.5

Serious eye damage/irritation : Not classified

pH: 7.5 - 8.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## **12. Ecological information**

### **12.1. Toxicity**

No additional information available

### **12.2. Persistence and degradability**

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No additional information available

## **12.3. Bioaccumulative potential**

No additional information available

## **12.4. Mobility in soil**

No additional information available

## **12.5. Results of PBT and vPvB assessment**

No additional information available

## **12.6. Other adverse effects**

No additional information available

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

No additional information available

## **14. Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1. UN number**

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

### **14.3. Transport hazard class(es)**

**ADR-** Transport hazard class(es) (ADR) : Not applicable

**IMDG-** Transport hazard class(es) (IMDG) : Not applicable

**IATA-** Transport hazard class(es) (IATA) : Not applicable

**ADN-** Transport hazard class(es) (ADN) : Not applicable

**RID-** Transport hazard class(es) (RID) : Not applicable

### **14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable


Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

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Packing group (RID) : Not applicable

#### **14.5. Environmental hazards**

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

#### **14.6. Special precautions for user**

**Overland transport-** No data available

**Transport by sea-** No data available

**Air transport-** No data available

**Inland waterway transport-** No data available

**Rail transport-** No data available

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### **15. Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

CREATININE is not on the REACH Candidate List

CREATININE is not on the REACH Annex XIV List

##### **15.1.2. National regulations**

###### **Germany**

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

###### **Netherlands**

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen –

Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

#### **15.2. Chemical safety assessment**

No additional information available

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## **16. Other information**

**Abbreviations and acronyms :** PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

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## **End of document**

**Prepared by: MOLYCHEM (INDIA)**

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