

SAFETY DATA SHEET (EC 1907/2006)**CREAPURE®**

Material no.	10008011	Version	2.0 / GB
Specification	131878	Revision date	03.12.2010
VA-Nr	00069859	Print Date	04.12.2010
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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	CREAPURE®
Company	AlzChem Trostberg GmbH CHEMIEPARK TROSTBERG Dr.-Albert-Frank-Str. 32 D-83308 Trostberg, Germany
Telephone	+49 (0)8621 86-3351
Telefax	+49 (0)8621 86-2880
Email address	alz-pst@alzchem.com
Emergency telephone number	+49 (0)2365 49-2232
Emergency telephone number(Telefax)	+49 (0)2365 49-4423
	Plant fire brigade, Infracor GmbH
Use of the Substance / Preparation	dietary supplement
REACH Registration No.:	if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION**Classification As per EU-GHS Ordinance (EC) No. 1272/2008**

Remarks Labelling not required according to EU-GHS Ordinance (1272/2008).

GHS-Labeling

Remarks Labelling not required according to EU-GHS Ordinance (1272/2008).

Supplemental hazard / labelling elements (EU):**Classification as per Directive 67/548/EC or Directive 1999/45/EC**

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

Other Hazards

Dusts can form explosive mixtures with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components As per EU-GHS Ordinance (EC) No. 1272/2008**

• Creatine Monohydrate		>= 99%	
CAS-No.	6020-87-7	EC-No.	200-306-6
Remarks	Labelling not required according to EU-GHS Ordinance (1272/2008).		

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

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Texts of H phrases, see in Chapter 16
See chapter 16 for text of risk phrases

4. FIRST AID MEASURES**Inhalation**

Move to fresh air.

Skin contact

Wash off immediately with plenty of water.
Change contaminated clothing.

Eye contact

Keep eye wide open while rinsing.

Ingestion

Consult a physician for severe cases.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

water spray, dry chemical, carbon dioxide (CO₂), foam

Unsuitable extinguishing media

high volume water jet

Special hazards arising from the substance or mixture

In the case of fire, the following hazardous smoke fumes may be produced:
Carbon oxides
nitrous gases

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.
Ensure adequate ventilation.
Avoid dust formation.

Environmental precautions

Prevent substance from entering soil, natural bodies of water and sewer systems.

Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE**Handling****Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practices.
Provide sufficient ventilation and exhaust at the workplace.
Keep in a dry, cool place.

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

Keep tightly closed.

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Suitable materials polyethylene, polypropylene

German storage class

13 - Non Combustible Solids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Other information**

No substance-specific limiting value being known.

Personal protective equipment**Respiratory protection**

In case product dust is released:

Dust protection mask in accordance with EN 149 FFP2

Hand protection

Wear protective gloves made of the following materials:

Glove material	nitrile rubber, Recommendation: Camatril 730, Kächele-Cama Latex GmbH (KCL), Germany
Material thickness	0.4 mm
Break through time	> 480 min
Method	DIN EN 374

Eye protection

safety glasses

Skin and body protection

protective suit

Hygiene measures

Do not breathe dust.

Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	powder
Colour	colourless to slightly yellow
Odour	odourless

Information on basic physical and chemical properties

pH	7.4	(14 g/l)	(20 °C)
	(saturated solution)		
Melting point/range	ca. 290 °C decomposition		
Flash point	not applicable		
Ignition temperature	> 800 °C		
Water solubility	14 g/l	(20 °C)	
Partition coefficient (n-octanol/water)	log Pow:	< -2	(20 °C)
	Method:	EEC method 92/69/EEC, A 8	
Burning number	BZ 1 - does not ignite.		

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Molecular Weight 149.1 g/Mol

Further information

Other information No further physicochemical data were determined.

10. STABILITY AND REACTIVITY

Stability No decomposition if stored and applied as directed.
Conditions to avoid > 250 °C
Incompatible materials strong acids and strong bases, strong oxidizing agents
Hazardous decomposition products ammonia

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity LD50 Rat: > 2000 mg/kg
Method: Directive 93/21/EWG (Acute Toxic Class Method)
Own test result.

Skin irritation Rabbit
No skin irritation
Method: Directive 67/548/EEC, Annex V, B.4.
Own test result.

Eye irritation Rabbit
No eye irritation
Method: Guideline 92/69/EEC B.5
Own test result.

Sensitization Magnusson & Kligman guinea pig: not sensitizing
Method: Directive 96/54/EC, B.6
Own test result.

Mutagenicity assessment Not mutagenic in AMES Test.
Own study

Human experience Creatine is found in muscular tissue and is produced by the liver and kidneys. No health effects have been reported in humans.

Further information In a 28-day study in rats, no treatment related findings were noted. The NOAEL for this study was determined to be 2000 mg/kg b.w. No additional toxicological data are available.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)**

Biodegradability Exposure time: 28 d
Result: 96.6 % Readily biodegradable.

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**Ecotoxicity effects**

Toxicity to fish
LC50 Brachydanio rerio: > 100 mg/l / 96 h
Method: Directive 92/69/EEC, C.2
Own test result.

NOEC : > 100 mg/l
Method: Directive 92/69/EEC, C.2
Own test result.

Toxicity to daphnia
EC50 Daphnia magna: > 1000 mg/l / 48 h
Method: Directive 92/69/EEC C.2

Further information on ecology

Further Information Prevent uncontrolled release in the environment.
No further ecotoxicological data are available.

13. DISPOSAL CONSIDERATIONS**Product**

In compliance with actual waste regulations, the product must be brought to a suitable disposal plant.

Uncleaned packaging

Packaging, that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Supplemental hazard / labelling elements (EU):**

Further information The product does not need to be labelled in accordance with EC directives or respective national laws.

registration

Europe (EINECS/ELINCS)	listed/registered listed as anhydrate
USA (TSCA)	listed/registered listed as anhydrate
Canada (DSL)	listed/registered listed as anhydrate
Australia (AICS)	listed/registered
Japan (MITI)	listed/registered listed as anhydrate
Korea (TCCL)	listed/registered listed as anhydrate

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Philippines (PICCS)	listed/registered
China	listed/registered

National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts****Texts of the H-phrases****Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.