

SAFETY DATA SHEET (91/155/EWG)**CREAPURE®**

Material no.		Version	1.3 / GB
Specification	131878	Release Date	08.03.2006
VA-Nr		Print Date	19.11.2007
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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
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

2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

• Creatine Monohydrate	> 99%		
CAS-No. 6020-87-7	EC-No.	200-306-6	

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Classification:

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

Additional hazard information for humans and the environment:

Dusts can form explosive mixtures with air.

4. FIRST AID MEASURES**Inhalation**

Move to fresh air.

Skin contact

Wash off immediately with plenty of water.

Eye contact

Keep eye wide open while rinsing.

Ingestion

Consult a physician for severe cases.

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

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

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

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 case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions

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

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Handle in accordance with good industrial hygiene and safety practices.

Storage**Requirements for storage areas and containers**

Keep tightly closed.

Suitable materials polyethylene, polypropylene

German storage class

13 - Non Combustible Solids

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****Other information**

No substance-specific limiting value being known.

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	solid
Colour	colourless to slightly yellow
Odour	odourless

Safety data

pH	7.4	(14 g/l)	(20 °C)
	(saturated solution)		
Melting point/range	ca. 290 °C decomposition		
Flash point	not applicable		
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.		

10. STABILITY AND REACTIVITY

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

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

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

Biodegradability	Exposure time: 14 d Result: 97.5 %	Readily biodegradable.
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Behaviour in environmental compartments**Ecotoxicity effects**

Toxicity to daphnia	EC50 Daphnia magna: > 100 mg/l / 48 h Method: Directive 92/69/EEC C.2
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Further information on ecology

Further Information	Prevent uncontrolled release in the environment.
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13. DISPOSAL CONSIDERATIONS**Product**

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

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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**Labelling according to EC Directives**

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

National legislation

16. OTHER INFORMATION**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
Philippines (PICCS)	listed/registered
China	listed/registered

Risk phrase (R phrase) texts**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.

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