

SAFETY DATA SHEET (91/155/EWG)**CREAPURE PYRUVATE****degussa.**

Material no.		Version	1.1 / GB
Specification	132274	Revision date	25.01.2005
VA-Nr		Print Date	26.01.05
		Page	1 / 6

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : CREAPURE PYRUVATE

Company : Degussa AG, Building Blocks
Produktsicherheit und Toxikologie
Dr.-Albert-Frank-Str. 32
D-83308 Trostberg, Germany

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Emergency telephone number(Telefax) : +49 (0)2365 49-4423

Plant fire brigade, Infracor GmbH

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

• **Creatine pyruvate** Ø 100.0%

CAS-No.	208535-04-0	EC-No.	429-120-5429-120-5
	Xi		
	R41		

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Classification:
Risk of serious damage to eyes.

Additional hazard information for humans and the environment:
Dusts can form explosive mixtures with air.

4. FIRST AID MEASURES**Inhalation**

Move to fresh air.
If feeling unwell seek medical advice.

Skin contact

Wash off with plenty of water.
If skin irritation occurs, call physician.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Material no.		Version	1.1 / GB
Specification	132274	Revision date	25.01.2005
VA-Nr		Print Date	26.01.05
		Page	2 / 6

Ingestion

Drink plenty of water.

Notes to physician

This substance is a combination of two body intermediates.
Toxic symptoms are not expected.

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

water spray, carbon dioxide (CO₂), dry chemical

Specific hazards during fire fighting

In the case of fire, the following hazardous smoke fumes may be produced:

ammonia

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.

Methods for cleaning up

Sweep up and shovel.
Avoid dust formation.

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

Avoid contact with skin, eyes and clothing.
Avoid breathing vapors/dust/mist.
Ensure adequate ventilation.
Wash contact areas after handling.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.
Do not smoke.
Take precautionary measures against static discharges.

Storage**Requirements for storage areas and containers**

Keep tightly closed.
Avoid temperatures above 25°C.
Keep away from direct sunlight.

Advice on common storage

Incompatible with oxidizing agents.

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Specification	132274	Revision date	25.01.2005
VA-Nr		Print Date	26.01.05
		Page	3 / 6

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Other information

No substance-specific limiting value being known.

Personal protective equipment

Respiratory protection

Respirator must be worn if exposed to dust.

Hand protection

Data from a comparable product:

Wear protective gloves made of the following materials:

Glove material Polychloroprene with natural-latex liner., Recommendation: Camapren 722, Kächele-Cama Latex GmbH (KCL), Germany

Material thickness 0.6 mm

Break through time > 480 min

Method DIN EN 374

Glove material nitrile rubber, Recommendation: Camatril 730, Kächele-Cama Latex GmbH (KCL), Germany

Material thickness 0.4 mm

Break through time > 480 min

Eye protection

safety glasses

Skin and body protection

protective suit

Hygiene measures

Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	colourless
Odour	odourless

Safety data

pH	2.6	(54 g/l)	(20 °C)
Melting point/range	112 °C		
	Method:	Directive 92/69/EEC A.1 decomposition	
Flash point	not applicable		
	related to substance:	(solid)	
Density	1.415 g/cm ³	(21 °C)	
	Method:	Directive 92/69/EEC A.3	

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Specification	132274	Revision date	25.01.2005
VA-Nr		Print Date	26.01.05
		Page	4 / 6

Water solubility 54 g/l (20 °C)

10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid dust formation. Keep away from heat and sources of ignition.
Materials to avoid	strong acids and strong bases, strong oxidizing agents, atmospheric humidity, water
Hazardous decomposition products	Dangerous fumes in the case of fire
Hazardous reactions	No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat(male/female): > 2000 mg/kg Method: Directive 92/69/EEC, B.1 Own test result.
Acute dermal toxicity	LD50 Rat: > 2000 mg/kg Method: Directive 92/69/EEC B.3 Own test result.
Skin irritation	Rabbit / 4 h not irritating Method: Directive 92/69/EEC, B.4 Own test result.
Eye irritation	Rabbit / 24 h Risk of serious damage to eyes. Method: Directive 92/69/EEC B.5 Own test result.
Sensitization	maximization test guinea pig: not sensitizing Method: Directive 92/69/EEC, B.6 Own test result.
Mutagenicity assessment	Not mutagenic in AMES Test.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability readily biodegradable

Behaviour in environmental compartments

Ecotoxicity effects

Toxicity to fish LC50 semi-static test Brachydanio rerio: > 100 mg/l / 96 h
Method: Directive 92/69/EEC C.1

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Specification	132274	Revision date	25.01.2005
VA-Nr		Print Date	26.01.05
		Page	5 / 6

Own test result.

Toxicity to daphnia EC50 Daphnia magna: > 100 mg/l / 48 h
Method: Directive 92/69/EEC C.2
Own test result.

Toxicity to algae EC50 selenastrum capricornutum: > 100 mg/l / 72 h
Method: (Directive 92/69/EEC part C.3.)
Own test result.

Toxicity to bacteria EC50 local activated sludge: > 300 mg/l
Method: OECD TG 209
Own test result.

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**Labelling according to EC Directives**

Symbol(s)	Xi	Irritant
R-phrases(s)	R41	Risk of serious damage to eyes.
S-phrases(s)	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S39	Wear eye/face protection.

National legislation

16. OTHER INFORMATION**registration**

Europe (EINECS/ELINCS)	listed/registered
Australia (AICS)	not listed/registered
Canada (DSL)	not listed/registered

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VA-Nr		Print Date	26.01.05
		Page	6 / 6

Korea (TCCL)	not listed/registered
Japan (MITI)	not listed/registered
Philippines (PICCS)	not listed/registered
USA (TSCA)	not listed/registered

Risk phrase (R phrase) texts

- **Creatine pyruvate**

R41 Risk of serious damage to eyes.

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.