

SAFETY DATA SHEET (EC 1907/2006)

ALIPURE

Material no.		Version	1.0 / GB
Specification	141571	Revision date	16.03.2010
VA-Nr		Print Date	19.04.2010
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name	ALIPURE
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	Antioxidant
REACH Registration No.:	if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION

Classification As per Directive 67/548/EC or Directive 1999/45/EC

R22: Harmful if swallowed.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Additional safety information for humans and the environment

Potential skin, eye and respiratory irritant.
Dusts can form explosive mixtures with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

• 5-(dithiolan-3-yl)valeric acid	97% - 100%
CAS-No. 1077-28-7	EC-No. 214-071-2
Xn; R22 R52/53	
• Kieselsäure, amorph (gefällt oder pyrogen) < 3%	
CAS-No. 7631-86-9 112926-00-8	EC-No. 231-545-4

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

Inhalation

Move victims into fresh air.
Consult a physician immediately.

Skin contact

Take off all contaminated clothing.
Wash off immediately with plenty of water.

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If skin irritation occurs, call physician.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Rinse out mouth.

If conscious, drink plenty of water.

Consult a physician immediately.

Do not induce vomiting without medical advice.

Notes to physician

Treatment:

No specific antidote known.

Symptomatic treatment.

If necessary, administer activated charcoal (10-20g) and sodium sulfate (20g).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

any

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

Sulphur oxides

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.

Avoid contact with skin, eyes and clothing.

Methods for cleaning up

Sweep up and shovel.

Avoid dust formation.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Provide appropriate exhaust ventilation at places where dust is formed.

Avoid contact with skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practices.

Advice on protection against fire and explosion

Avoid dust formation.

Keep away from heat and sources of ignition.

Dust explosion class

St1

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**Storage****Requirements for storage areas and containers**

Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in the dark.

Advice on common storage

Incompatible with strong oxidizing agents.
Incompatible with strong bases.

Storage stability

<= 25 °C

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

• silicon dioxide, chemically prepared			
CAS-No.	7631-86-9	EC-No.	231-545-4
Control parameters	6 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Inhalable dust.		
Control parameters	2.4 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable dust.		

DNEL/DMEL and PNEC values**Personal protective equipment****Respiratory protection**

Respirator must be worn if exposed to dust.

Hand protection

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
Method	DIN EN 374

Eye protection

tightly fitting safety goggles

Skin and body protection

protective suit

Hygiene measures

Wash hands before breaks and immediately after handling the product.
Remove contaminated or saturated clothing.
When using do not eat or drink.
When using do not smoke.
Do not breathe dust.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Colour	yellow
Odour	almost odourless

Safety data

Melting point/range	60 - 62 °C
Boiling point/range	155 - 170 °C
Autoinflammability	330 °C Method: DIN EN 50281-2-1 (VDE 0170/0171 part 1503-2-1) Ignition temperature for swirled dust
Bulk density	ca. 500 kg/m ³
Water solubility	0.9 g/l (20 °C)
Partition coefficient (n-octanol/water)	log Pow: ca. 3.4

10. STABILITY AND REACTIVITY

Conditions to avoid	To avoid thermal decomposition, do not overheat. Avoid dust formation. Keep away from heat and sources of ignition. Protect from the action of light.
Materials to avoid	oxidizing agents, strong bases
Hazardous decomposition products	Dangerous fumes in the case of fire
Hazardous reactions	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat: 1130 mg/kg (literature value)
Mutagenicity assessment	Not mutagenic in AMES Test. Not mutagenic in the micronucleus test with mice.
Further information	Potential skin, eye and respiratory irritant.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	LC50 Brachydanio rerio: 43 - 96 mg/l / 96 h Method: OECD TG 203
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**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.

Further Information

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Statutory basis/list Symbol(s)	According to the Dangerous Preparations Directive (1999/45/EG): Xn	Harmful
R-phrase(s)	R22 R52/53	Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	S22 S26	Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

registration

Canada (DSL)	listed/registered
China	listed/registered
Europe (EINECS/ELINCS)	listed/registered
Japan (ENCS)	listed/registered
New Zealand	listed/registered
Korea (TCCL)	not listed/registered
Australia (AICS)	not listed/registered
Philippines (PICCS)	not listed/registered
USA (TSCA)	not listed/registered

National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts**

- 5-(dithiolan-3-yl)valeric acid
R22 Harmful if swallowed.

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R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.