

EC Security data sheet with 91/155/EEC

No. : 1

Version : 1.01

Status 24/12/98

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1. Identification of the substance/Preparation and Company

Product details : Caldur® CB testkit

Supplier details : KKC Dr. Klink GmbH
Friedhofstr. 13, D-79395 Neuenburg a. Rh.
Phone: ++49 (0)7631-79 91 96

2. Composition of product

Hazardous components : Dimethyl sulfoxide
CAS-No.: 67-68-5
Index-No.: 000-000-00-0
EINECS-No.: 2006643
Concentration: 60 to 97%
Symbol: Xi irritant
R-Phrases : 36/38

3. Possible dangers

Irritates skin and eyes

4. First aid

After contact with eyes : Rinse thoroughly with plenty of water and seek medical advice.

After contact with skin : rinse with plenty of water and soap.

After ingestion : When swallowed, allow water to be drunk. Don't induce vomiting. Sommon a doctor immediately.

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5. *Fire fighting measurements*

Suitable extinguishing media : water mist
foam
carbon dioxide
dry powder

Unsuitable extinguishing media : ---

Special hazards from the substance itself, its combustion products or of its vapours : In case of fire danger of development of sulfur dioxide.

Special protective equipment for firefighting : Use self contained breathing apparatus.

6. *Measures if spilled*

Personal protective equipment : By suitable use no special measures necessary.

Environmental precautions : Don't release product into environment.

Methods for cleaning up/taking up : Take up with absorbent material (e.g. sand etc.)
: Pick for disposal in tightly closed containers.

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7. Storage and handling

Storage : Only in pristine bottles.
Storage temperature: 19 – 25 °C

Hints for handling : ---

8.. Exposure controls / personal protection

Ingretients with occupational exposure limits to be monitored : CAS-No.: 67-68-5
: Markings: Dimethyl sulfoxide
: remarks: No sensibilisation

Personal protection : Avoid contact to eyes and skin.

Futher measures : Keep away from feedstuffs and beverage.
Wash hands after work.

Breathing : ---

Hand protection : Use rubber gloves

Eye protection : Use protective glasses

Body protection : Use protectiv clothing

9. Physical and chemical properties

Flas point : 85 °C (method: closed cup)

Ignition temperature : 270 °C

Lower explosion limitt : 2,5 % vol.

Upper explosion limit : 29 % vol.

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10. Stability and reactivity

Thermal decomposition : No decomposition in case of appropriate working.

Hazardous reactions : Plastic material may be destroyed.

Hazardous decomposition products : sulfur dioxide

11. Toxicological informations

Acute oral toxicity (LD₅₀) : 14.5 g/kg

Species : rat

Source: RTECS

Acute oral toxicity (LD₅₀) : 40 g/kg

Species : rat

Source: RTECS

Irritant effect on skin

slightly irritant

Duration of exposure : 24 h

Species : rabbit

Source: RTECS

Irritant effect on eyes

slightly irritant

Duration of exposure : 24 h

Species : rabbit eye

Source: RTECS

Sensitization : ---

non-sensitizing

Species: Guinea pig

Remarks

Experience in use : irritates eyes, skin and respiratory tract

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12. Ecological informations

Data on elimination

(persistence and degradability)

Biodegradability : 90 %
 readily degradable
 Duration of test : 28 d

Exotoxic effect

Fish toxicity (LC₅₀) : > 35 g/l
 Duration of exposure : 96 h
 Species:

Bacteria toxicity (LC₅₀) : > 10 g/l
 Duration of exposure : 30 min.
 Species: activated sludge

Bacteria toxicity (LC₁₀) : 7100 mg/l
 Duration of exposure : 16 h
 Species: Pseudomonas putida

Further ecological information

Remarks : Ecological data are not available

13. Disposal considerations

Product : In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant.

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14. Transport information

**Road transport
GGVS/ADR** : No dangerous good

**Marine transport
IMDG/UN** : No dangerous good

**Air transport
ICAO/IATA-DGR** : No dangerous good

15. Regulatory information

**Labelling in accordance
with** : **4. Nouvelle GefStoffV/EG**

Hazard symbols : Xi irritant

R-phrases : 36/38 irritation to eyes and skin

S-phrases : 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

National regulations : VbF (Germany): Gefahrenklasse A I
Water hazard class (Germany): 1 (self classification)

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16. Other information

Testkit - Please observe the text on each bottle

This information is based on our present state of knowledge. Therefore it describes the properties of the product, but not its suitability for a particular application.

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