

Date of issue: 28.01.2010 **Replaces Data Sheet of :** ---

*** alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Identification of Substance or Preparation

Trade Name : Dermalux Crystal Gel Tester

Article No. : n.av.

Preparation No. : n.av.

Registration No. : n.av.

1.2 Use of the substance / preparation:

Test substance

1.3 Company / Undertaking Identification

1.3.1 Address of the Company / Supplier:

Fa. KBD GmbH, D-69469 Weinheim: InnoCent International GmbH, Reutackerstraße 22D, D - 79591 Eimeldingen
Telephone : 07621-422 338-0, Fax : 07621-422 338-3, e-mail: n.av.

1.3.2 Responsible :

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info[at]chemie-vorschrift.de

1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning
Telephone : +49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking
Telephone : 07621-422 338-0 (08:30 - 16:30)

2 HAZARDS IDENTIFICATION

2.1 For Humans (additional information is given under item 11) :

May form highly flammable vapour-air mixture. Degreases skin.

2.2 For the Environment :

Product may soil public waters by consumption of oxygen. May affect the functioning of separators.

2.3 For Materials:

None.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical Characterisation:

Wäßrige Mischung kosmetischer Wirkstoffe

3.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
64-17-5	603-002-00-5	200-578-6	Ethanol	20 - 30%	F	R 11

Remarks: Classification and labelling of a product is indicated under item 15.

4 FIRST AID MEASURES

4.1 Inhalation:

Not relevant

4.2 Skin Contact :

Wash off immediately with large amounts of water.
In the event of symptoms occurring, seek medical treatment.

4.3 Eye Contact :

Flush eyes out immediately with large amounts of water with eye lids lifted. If irritation persists consult physician.

4.4 Ingestion :

Do not cause vomiting. Rinse mouth out and drink plenty of water. Call physician.

4.5 Note to Physician:

None.

4.6 Special Equipment:

Not relevant

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5 FIRE FIGHTING MEASURES

- 5.1 **Suitable Extinguishing Media :** Water spray jet, foam, dry chemicals, CO₂.
 5.2 **Extinguishing Media to Avoid :** None.
 5.3 **Fire and Explosion Hazards :**
 In case of fire, product may form: Organic crackproducts and carbon oxides, nitrogenoxides (NO_x)
 5.4 **Special Protective Equipment :**
 Wear positive pressure self-contained breathing apparatus.
 Wear full protective clothing.
 5.5 **Additional Information :** Firefighting water reacts corrosive. Cool containers at risk with water spray jet.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal Precautions :**
 See No. 8.2 Personal Protective Equipment. High risk of slipping due to leakage / spillage of product. Provide sufficient ventilation.
 6.2 **Environmental Precautions and Methods for Cleaning up :**
 Do not allow to enter drainage / surface-water / ground-water. Soak up with absorbent material. Dispose of absorbed material in accordance with the regulations.
 6.3 **Further Information :** None.

7 HANDLING AND STORAGE (For national regulations refer to item 15.2)

- 7.1 **Handling**
 7.1.1 **Precautions for Safe Handling :**
 Keep container tightly closed. Application only when sufficient ventilated.
 7.1.2 **Precautions in Case of Fire and Explosion :**
 Keep away from sources of ignition Do not smoke. Vapours may form an explosive mixture with air at higher temperatures.
 7.2 **Storage**
 7.2.1 **Storage Instructions :**
 Protect container from warming up and direct sunlight.
 7.2.2 **Store away from :**
 Store away from oxidizers.
 7.2.3 **Further Information on Storage Conditions :**
 Provide sufficient ventilation.
 7.3 **Specific use(s):** n.av.

8 Exposure Controls and Personal Protection

- 8.1 **Exposure limit values :**
- | Material | Limit Value : |
|-----------------|----------------------|
| Ethanol | OEL 500 ppm |
- 8.2 **Exposure controls**
 8.2.1 **Occupational exposure controls:**
 Do not inhale vapours. Avoid contact with eyes and skin. Take off contaminated, saturated clothing immediately. Do not eat, drink or smoke during work.
- 8.2.1a **Respiratory Protection :** If ventilation is insufficient, wear respiratory protection Filter A
 8.2.1b **Hand Protection :** Impermeable gloves
 8.2.1c **Eye Protection :** Goggles
 8.2.1d **Skin Protection :** Light protective clothing
 8.2.1e **Further Information :** Refer to special restrictions in wearing protective equipment
 8.2.2 **Environmental exposure controls:** n.av.

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9 Physical and Chemical Properties**9.1 General information**

9.1.1 **Form** : liquid 9.1.2 **Colour** : Various, depending on coloration 9.1.3 **Odour** : sweetish

9.2 Important health, safety and environmental information

9.2.1 pH-value, undiluted : n.av., pH-value, 1% aqueous solution : n.av.
 9.2.2 Boiling point / Boiling - range (°C) : n.av., Melting point / Melting range (°C) : n.av.
 9.2.3 Flash point (°C, c.c.) : n.av.
 9.2.4 Flammability (EEC A10/A13) : No.
 9.2.5 Ignition temperature (°C) : n.ap.
 9.2.6 Autoflammability (EEC A16) : None.
 9.2.7 Oxidising properties : No.
 9.2.8 Explosion hazard : n.ap.
 9.2.9 Explosion limits (Vol.%) lower : n.ap., upper : n.ap.
 9.2.10 Vapour pressure : n.av.
 9.2.11 Density (g/ml) : n.av.
 9.2.12 Solubility (in Water) : Soluble
 9.2.13 Partition coefficient, n-Octanol/Water : n.av.
 9.2.14 Viscosity : n.av.
 9.2.15 Solvent separation test : n.ap.
 9.2.16 Solvent content (m %) : n.ap.

9.3 Other information

9.3.1 Thermal decomposition (°C) : n.av.
 9.3.2 Vapour density (Air = 1) : n.ap.
 9.3.3 Evaporation rate : n.av.

10 STABILITY AND REACTIVITY

10.1 **Conditions to Avoid** :
 Evolution of ignitable vapour-air mixtures possible if stored in large containers and above room temperature.

10.2 **Materials to Avoid** :
 Reactions with oxidizer.

10.3 **Hazardous Decomposition Products** :
 No dangerous decomposition products when properly handled.

10.4 **Further Information** :
 Not relevant

11 TOXICOLOGICAL INFORMATION**11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**

Inhalation, LC₅₀ rat, (mg/l/4h) : n.av.
 Ingestion, LD₅₀ rat, (mg/kg) : n.av.
 Skin - contact, LD₅₀ rat, (mg/kg) : n.av.
 Irritation (to skin / eye) : Non-irritant
 Sensitisation : None.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : n.av.
 Mutagenicity : n.av.
 Teratogenicity : n.av.
 Narcotic Effects : None.

11.2 Practical Experience

11.2.1 Observations relevant for classification :
 None.

11.2.2 Further Observations :
 None.

11.3 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

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12 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity :**
n.av.
- 12.2 **Mobility :**
n.av.
- 12.3 **Persistence and degradability:**
The product is readily biodegradable to OECD criteria.
- 12.4 **Bioaccumulative potential:**
n.av.
- 12.5 **Results of PBT assessment**
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g : n.av.
- 12.6.2 BOD₅-Value, mg/g : n.av.
- 12.6.3 AOX-Remarks : Not relevant
- 12.6.4 Significant Components : None.
- 12.6.5 Other adverse effects : None.

13 DISPOSAL CONSIDERATIONS (For national Regulations refer to item 15.)

- 13.1 **Residues**
- 13.1.1 Recommendation : D 10 / R 1 Waste - Code - No. : 07 07 99
In addition comply with the regional authorities.
- 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling : As described under Residues.

14 TRANSPORT INFORMATION**14.1 Transportation by Road or Railway according to ADR and RID****Remarks : No dangerous goods according to ADR****Name and Description:**

Class :	UN - No :	Risklabel:
Classification Code:	Packing Group :	Hazard-No.:
Transport-category:	Limited Quantity:	

14.2 Classification for Transportation by Inland-Navigation according to ADNO**Remarks : Classification has not been done.**

Class : Division : Category :

14.2.1 Description of Goods :**14.2.2 Remarks :****14.3 Classification for Transportation by Vessels according to IMDG****Remarks : No dangerous goods according to IMDG**

Class :	UN-No.	EmS-No. :
:	Packing Group : 4.3.1	

14.3.2 Marine Pollutant :**14.3.3 Instruction for Declaration and Labelling :****Proper Shipping Name :****Risk Label :****14.3.4 Remarks :**

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- 14.4 **Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI**
Remarks : No dangerous goods according to IATA-DGR
 Class : UN-No.
 : Packing Group : 4.4.1 **Instruction for Declaration and Labelling :**
Proper Shipping Name :
Risk Label :
 Packing Instructions, Passenger : Cargo :
 14.4.2 **Remarks :**

15 REGULATORY INFORMATION

- 15.1 **Classification according to EEC-Regulations :**
 Classification required by EEC : No. Applicable Exemptions :
 Hazard Identification : Hazard Symbol(s) :
 Component(s) :
R-Phrases :

S-Phrases :
 S 2: Keep out of reach of children.
 S 46: If swallowed, seek medical advice immediately and show this container or label.

 Additional Markings :
 Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.

 15.1.1 The above mentioned labelling is valid for distribution to private consumer.
 Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

15.2 National Regulations

VOC-Content: n.av.

16 OTHER INFORMATION**Text of R phrases mentioned in Section 3**

R11 - Highly flammable.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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