

**Date of issue:** 14.10.2009 **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 Alcohol Tester

**Article No. :** nav.

**Preparation No. :** nav.

**Registration No. :** nav.

### 1.2 Use of the substance / preparation:

Testing substance

### 1.3 Company / Undertaking Identification

#### 1.3.1 Address of the Company / Supplier:

By order of KBD GmbH, D - 69469 Winheim

InnoCent International GmbH, Reutackerstraße 22D, D - 79591 Eimeldingen

Telephone : +49 -7621-422 338-0, Fax : +49 - 7621-422 338-3

#### 1.3.2 Responsible :

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, E-Mail: info@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 : +49 - 7621-422 338-0 (08:30 - 16:30)

## 2 HAZARDS IDENTIFICATION

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

Flammable. In use, may form flammable/explosive vapour-air mixture.

Solvents may degrease the skin.

May be harmful if swallowed.

### 2.2 For the Environment :

Ecological injuries are not known or expected under normal use.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Chemical Characterisation:

Aqueous solution containing Ethanol

### 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	60 - 70%	F	R 11

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

## 4 FIRST AID MEASURES

### 4.1 Inhalation:

Inhalation may provoke the following symptoms: Headache, daze, dizziness.

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

Consult a physician if necessary.

### 4.2 Skin Contact :

Wash off immediately with plenty of water.

Consult a physician if necessary.

### 4.3 Eye Contact :

Rinse thoroughly with plenty of water, also under the eyelids.

Consult a physician if necessary.

### 4.4 Ingestion :

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.

Obtain medical attention.

### 4.5 Note to Physician:

Treat symptomatically.

### 4.6 Special Equipment:

nav.

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**5 FIRE FIGHTING MEASURES**

- 5.1 **Suitable Extinguishing Media :** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid :** None.
- 5.3 **Fire and Explosion Hazards :**  
In the event of fire carbon oxides may be formed.
- 5.4 **Special Protective Equipment :**  
Wear positive pressure self-contained breathing apparatus.  
Wear full protective clothing.
- 5.5 **Additional Information :** In the event of fire, cool tanks with water spray.

**6 ACCIDENTAL RELEASE MEASURES**

- 6.1 **Personal Precautions :**  
See No. 8.2 Personal Protective Equipment.  
Remove all sources of ignition.  
Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental Precautions and Methods for Cleaning up :**  
Do not contaminate surface water. Do not allow material to contaminate ground water system.  
Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal.
- 6.3 **Further Information :** Soak up with inert absorbent material, sweep up to prevent slipping hazard.

**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. Handle and open container with care. Use only in well-ventilated areas.
  - 7.1.2 **Precautions in Case of Fire and Explosion :**  
Keep away from sources of ignition - No smoking.
- 7.2 **Storage**
  - 7.2.1 **Storage Instructions :**  
Keep in an area equipped with solvent resistant flooring.  
Ensure adequate ventilation, especially in confined areas. Vapours are heavier than air and may spread along floors.
  - 7.2.2 **Store away from :**  
Do not store together with oxidizing agents.
  - 7.2.3 **Further Information on Storage Conditions :**  
None.
- 7.3 **Specific use(s):** n.av.

**8 Exposure Controls and Personal Protection**

- 8.1 **Exposure limit values:**

<b>Material</b>	<b>Limit Value :</b>
Ethanol	TLV 500 ppm
- 8.2 **Exposure controls**
  - 8.2.1 **Occupational exposure controls:**  
Do not breathe vapours/dust. Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke.  
Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.
  - 8.2.1a **Respiratory Protection :** In case of insufficient ventilation wear suitable respiratory equipment. respirator with filter A.
  - 8.2.1b **Hand Protection :** Repeated or prolonged exposure protective gloves
  - 8.2.1c **Eye Protection :** Safety glasses
  - 8.2.1d **Skin Protection :** Exempt.
  - 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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9.2.1 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.) : &gt; 21

9.2.4 Flammability (EEC A10/A13) : No.

9.2.5 Ignition temperature (°C) : n.av.

9.2.6 Autoflammability (EEC A16) : No.

9.2.7 Oxidising properties : No.

9.2.8 Explosion hazard : No.

9.2.9 Explosion limits (Vol.%) lower : No., upper : n.av.

9.2.10 Vapour pressure : n.av.

9.2.11 Density (g/ml) : &lt; 1

9.2.12 Solubility (in Water) : miscible

9.2.13 Partition coefficient, n-Octano/Water : n.av.

9.2.14 Viscosity : n.ap.

9.2.15 Solvent separation test : n.ap.

9.2.16 Solvent content (m %) : 60 - 70

**9.3 Other information**

9.3.1 Thermal decomposition (°C) : n.av.

9.3.2 Vapour density (Air = 1) : Vapours are heavier than air

9.3.3 Evaporation rate : n.ap.

**10 STABILITY AND REACTIVITY****10.1 Conditions to Avoid :**

Heat, flames and sparks. Keep away from direct sunlight. Keep away from heat.

**10.2 Materials to Avoid :**

Strong oxidizing agents.

**10.3 Hazardous Decomposition Products :**

No decomposition if used as directed.

**10.4 Further Information :**

None.

**11 TOXICOLOGICAL INFORMATION****11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**Inhalation, LC<sub>50</sub> rat, (mg/l/4h) : n.av.Ingestion, LD<sub>50</sub> rat, (mg/kg) : n.av.Skin - contact, LD<sub>50</sub> rat, (mg/kg) : n.av.

Irritation (to skin / eye) : Slight

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 :**  
nav.
- 12.2 **Mobility :**  
nav.
- 12.3 **Persistence and degradability:**  
The organic ingredients can be biodegraded in a sewage plant.
- 12.4 **Bioaccumulative potential:**  
nav.
- 12.5 **Results of PBT assessment**  
nav.
- 12.6 **Other adverse effects**
  - 12.6.1 COD-Value, mg/g : n.ap.
  - 12.6.2 BOD<sub>5</sub>-Value, mg/g : n.av.
  - 12.6.3 AOX-Remarks : n.ap.
  - 12.6.4 Significant Components : n.ap.
  - 12.6.5 Other adverse effects : n.ap.

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

- 13.1 **Residues**
  - 13.1.1 Recommendation : D 10 Waste - Code - No. : 20 01 29  
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 :**

**Name and Description:** UN 1170 Ethanol-Solution

Class : 3

UN - No : 1170

Risklabel:

Classification Code: F1

Packing Group : II

Hazard-No.: 33

Transport-category: 2

Limited Quantity: LQ 4



**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 :**

Class : 3

UN-No. : 1170

Packing Group : II

**14.3.1 EmS-No. : F-E, S-D**

**14.3.2 Marine Pollutant : No.**

**14.3.3 Instruction for Declaration and Labelling :**

**Proper Shipping Name :** Ethanol-Solution

**Risk Label :** Flammable Liquid

**14.3.4 Remarks : None.**

