

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 17.05.2001

Reviewed on 17.05.2001

### 1 Identification of substance:

- **Product details:**
- **Trade name:** Tattoo colour liquid, green
- **Supplier/Manufacturer:**  
 Raidex GmbH  
 Neuhäuser Str. 17  
 D-72581 Dettingen/Erms  
 Tel.: +49-7123-9751-0 Fax: +49-7123-9751-33
- **Information department:** see above
- **Emergency information:** National Poisons Information Center Tel.: +44-171-9555095370

### 2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Tattoo colour in aqueous solution
- **Dangerous components:** Void

### 3 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment**  
 According to current European laws and regulations the product is no dangerous or toxic material (based on the available data).
- **Classification system**  
 The classification was made according to the latest editions of the EU-lists, and expanded upon company and literature data).

### 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Wash with water and soap.
- **After eye contact**  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**  
 Rinse out mouth and then drink plenty of water.  
 If symptoms persist consult doctor.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
 CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
 Dangerous decomposition product see chapter 10: stability and reactivity
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
 Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
 Do not allow product to reach sewage system or any water course.  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to penetrate the ground/soil.  
 In case of seepage into the ground inform responsible authorities.

(Contd. on page 2)

GB

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(Contd. of page 1)

- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 13.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store container tightly sealed at a cool and dry place with sufficient ventilation.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 10 Flammable liquids
- **Class according to regulation on flammable liquids:** Void

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**  
**56-81-5 glycerol**  
OES Long-term value: 10 mg/m<sup>3</sup>  
**1317-65-3 Calciumcarbonat**  
OES Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable dust \*\*respirable dust
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

- **Form:** Fluid
- **Colour:** Green
- **Odour:** Characteristic
- **Change in condition**  
**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** undetermined
- **Flash point:** not applicable
- **Ignition temperature:** 300°C
- **Self igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**  
**Lower:** 0.9 Vol %
- **Vapour pressure at 20°C:** 23 hPa
- **Density:** Not determined

(Contd. on page 3)

GB

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(Contd. of page 2)

- **Solubility in / Miscibility with water:** Miscible

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Materials to be avoided:** Oxidants
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**  
In the case of fire or at high temperatures the formation of the following decomposition products is possible.  
Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information:

- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

GB

(Contd. on page 4)

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(Contd. of page 3)

### 15 Regulations

- **Markings according to EU guidelines:**  
Observe the general safety regulations when handling chemicals  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **National regulations**
- **Classification according to VbF:** Void
- **Technical instructions (air):**
- **Class Share in %**
- **Wasser 41.3**  
**NK 15.0**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**  
KFT-Chemieservice Marienstr. 3 D-64347 Griesheim  
Postfach 1451 D-64345 Griesheim
- **Contact:** Angelika Torges

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