

# Material Safety Data Sheet

According to 91/155 EEC

Printing date 29.01.2007

Reviewed on 29.01.2007

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Luko 803
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**  
ETERNIT AG  
Im Breitspiel 20  
D - 69126 Heidelberg
- **Further information obtainable from:**  
Department Coating Center Heidelberg  
(++49)6224/701-0
- **Information in case of emergency:**  
Tel. (++49) 761/19240 Toxicological Information Center, Freiburg

## 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Watery dispersion based on styrene acrylic resin.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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:**  
product does not burn  
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
No special hazards known

## 6 Accidental release measures

- **Person-related safety precautions:** refer to chapter 8

(Contd. on page 2)

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.01.2007

Reviewed on 29.01.2007

Trade name: Luko 803

(Contd. of page 1)

- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
larger amounts: pick up mechanically  
absorb with liquid binding material (sand, sawdust);  
rests: flush with water;  
dispose waste water according to regulations

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:**  
Traces of flammable substances may collect in the steam chamber of enclosed systems. Keep clear of ignition sources.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Avoid frost and heat
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** Germany: LGK 12 (liquid, not flammable)

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
Applicable are for example gloves from KCL GmbH D-36124 Eichenzell, tel ++49-6659-87-300, fax ++49-6659-87-155, email vertrieb@kcl.de with specification as follows:
- **Material of gloves**  
Full protection: Naturlatex mit Polychloropren, 0.60 mm  
product KCl: Lapren, product-code: 706
- **Penetration time of glove material** Value for permeation: Level 6 (time  $\approx$  480 minutes)
- **Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	White
<b>Odour:</b>	Characteristic

#### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 100°C

· **Flash point:** Not applicable.

(Contd. on page 3)

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.01.2007

Reviewed on 29.01.2007

Trade name: Luko 803

(Contd. of page 2)

· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Vapour pressure at 20°C:</b>	23.0 hPa
· <b>Density at 20°C:</b>	ca. 1.014 g/cm <sup>3</sup> (DIN 51757)
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>pH-value at 20°C:</b>	ca. 8 (DIN 53785)
· <b>Viscosity:</b> <b>Kinematic at 20°C:</b>	ca. 14 s (DIN 53211/4)
· <b>Solvent content:</b> <b>Organic solvents:</b> <b>Water:</b>	5.0 % 66.5 %
· <b>Solids content:</b>	28.5 % (EN ISO 3251)

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**  
No decomposition if used and stored according to specifications.

### 11 Toxicological information

- **Acute toxicity:** Toxicity values of the preparation do not exist
- **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 to our experience and the information provided to us.

### 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** Ecological values of the preparation do not exist
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.

#### · European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish

(Contd. on page 4)

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.01.2007

Reviewed on 29.01.2007

Trade name: Luko 803

(Contd. of page 3)

08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
----------	---

- **Uncleaned packaging:**
- **Recommendation:** Packaging may be reused or recycled after cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Protect from frost and heat

### 15 Regulatory information

- **Labelling 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 (German GefStoffV).
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly 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:** Department Coating Center Heidelberg - paint factory
- **Contact:** Mrs. Dr. Hillebrand-Schmidt