



# Safety Data Sheet

according to 2001/58/EC

## Lastic Universal hardener liquid

Print date : 12.06.2006

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

#### 1.1 Identification of the substance or preparation

Lastic Universal hardener liquid

**Further product name**Lastic Xtra Hardener liquid N  
Lastic Hardener liquid N**Use of the substance/preparation**

Hardener liquid for Lastic, Lastic Xtra and Lasticomp.

#### 1.2 Company/undertaking identification

Company name :	Kettenbach GmbH & Co. KG	
Street :	Im Heerfeld 7	
Place :	D-35713 Eschenburg	
Contact person :	Quality Assurance Manager	Telephone : + 49(0) 2774/705-0
e-mail :	info@kettenbach.de	Telefax : +49 (0)2774/705-33
Internet :	www.kettenbach.de	

### 2. Composition/information on ingredients

**Chemical characterization**

Preparation.

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
220-449-8	2768-02-7	vinyltrimethoxysilane	35 - 50 %	Xn, Xi R10-20-38
212-791-1	870-08-6	dioctyl tin oxide	5 - 20 %	Xn R53-48/22
201-083-8	78-10-4	ethyl silicate, tetraethyl silicate	< 5 %	Xn, Xi R10-20-36/37

Full text of each relevant R phrase can be found in heading 16.

### 3. Hazards identification

**Classification**Symbols : Highly flammable, Harmful, Irritant  
R-phrases :  
Highly flammable.  
Harmful by inhalation.  
Irritating to skin.

### 4. First aid measures

**After inhalation**

Following inhalation: Provide fresh air. Consult physician if problems persist.

**After contact with skin**

After contact with skin, wash immediately with: water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Seek medical attention immediately.

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#### 5. Fire-fighting measures

- Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.
- Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases**  
In case of fire and/or explosion do not breathe fumes.  
Contaminated fire-fighting water must be collected separately.
- Special protective equipment for fire-fighters**  
In case of fire: Wear self-contained breathing apparatus.  
Extinguishing materials should be selected according to the surrounding area.

#### 6. Accidental release measures

- Personal precautions** Remove from all sources of ignition. Provide adequate ventilation.
- Environmental precautions** Do not empty into drains or the aquatic environment.
- Methods for cleaning up/taking up** Collect mechanically.

#### 7. Handling and storage

##### 7.1 Handling

- Advice on safe handling** Use only in well-ventilated areas. Keep away from sources of ignition. No smoking. Flammable vapors can accumulate in steam space of closed systems.
- Advice on protection against fire and explosion** Take precautionary measures against static discharges. Fumes may form explosive mixtures with air.

##### 7.2 Storage

- Requirements for storage rooms and vessels** Keep container tightly closed in a cool, well-ventilated place.
- Further information on storage conditions** Protect against: heating.

#### 8. Exposure controls/personal protection

##### 8.1 Exposure limit values

##### 8.2 Exposure controls

- Protective and hygiene measures** When using do not eat, drink, smoke or sneeze.  
Avoid contact with skin, eye and clothing.  
Wash hands when done working with material; at breaks, lunch, shift changes, etc.
- Hand protection** Hand protection: Single-use gloves.
- Eye protection** Framed glasses.

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### Skin protection

No special precautionary measures are necessary.

## 9. Physical and chemical properties

### 9.1 General information

Physical state : liquid  
Colour : pink  
Odour : characteristic

### 9.2 Important health, safety and environmental information

pH-Value : -

Test method

#### Changes in the physical state

Flash point : ca. 20 °C ISO 2592  
Vapour pressure : 15,9 kPa hPa  
Density (at 20 °C) : ca. 1,0 g/cm<sup>3</sup>  
Water solubility : insoluble  
at (20 °C)

### 9.3 Other information

Ignition temperature : > 345 °C

## 10. Stability and reactivity

Conditions to avoid heating.  
Materials to avoid Air, humid.  
Hazardous decomposition products No data available

## 11. Toxicological information

Acute toxicity Toxicological data are not available.  
Corrosive and irritant effects Irritant effect on the skin: Not an irritant.  
Irritant effect on the eye: Not an irritant.  
Sensitising effects no danger of sensitization.

## 12. Ecological information

Ecotoxicity No data available  
Additional information General information: Water risk class: 2 (water pollutant)  
Do not empty into drains or the aquatic environment.

## 13. Disposal considerations

Advice on disposal Remove according to the regulations.

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#### Waste disposal number of waste from residues/unused products :

070217 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes containing silicones other than those mentioned in 07 02 16

#### Waste disposal number of used product :

20399 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS;

#### Contaminated packaging

Completely emptied packings can be re-cycled.

### 14. Transport information

#### Land transport (ADR/RID)

ADR/RID class : 3  
Warnings plate  
Hazard-no. : 33  
UN number : 1993  
Hazard label : 3  
ADR/RID packing group : II

#### Description of the goods

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (Dampfdruck bei 50 °C höchstens 110 kPa)

#### Inland waterways transport

ADN/ADNR class : 3  
UN number : 1993

#### Description of the goods

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (Dampfdruck bei 50 °C höchstens 110 kPa)

#### Marine transport

IMDG code : 3  
UN number : 1993  
EmS : F-E, S-E

#### Description of the goods

FLAMMABLE LIQUID, N.O.S.  
(Trimetoxivinylsilan)

#### Air transport

ICAO/IATA-DGR : 3  
UN/ID number : 1993  
Hazard label : 3  
IATA-packing instructions - Passenger : Y305  
IATA-max. quantity - Passenger : 1 l  
IATA-packing instructions - Cargo : 307  
IATA-max. quantity - Cargo : 60 l  
ICAO packing group : II

#### Description of the goods

FLAMMABLE LIQUID, N.O.S.  
(Trimetoxivinylsilan)

### 15. Regulatory information

#### 15.1 Labelling

Indication of danger : F - Highly flammable; Xn - Harmful

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F - Highly flammable

Xn - Harmful

Labelling according to EC-guidelines : The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

**Hazardous component(s) to be indicated on label** vinyltrimethoxysilane

<b>R phrases :</b>	11	Highly flammable.
	20	Harmful by inhalation.
	38	Irritating to skin.
<b>S phrases :</b>	09	Keep container in a well-ventilated place.
	16	Keep away from sources of ignition - No smoking.
	33	Take precautionary measures against static discharges.

#### 15.2 National regulations

Water contaminating class : 3 - highly water contaminating

#### 16. Other information

##### List of relevant R phrases

10	Flammable.
11	Highly flammable.
20	Harmful by inhalation.
38	Irritating to skin.
53	May cause long-term adverse effects in the aquatic environment.
36/37	Irritating to eyes and respiratory system.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

##### Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*