

## **Lava Protect XL**

000088001657

Version 2.0 / D / EN Revision Date: 18.04.2011

replaces version: 1.2 on 08.07.2009

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### **1) Identification of the substance/preparation and company**

#### **Lava Protect XL**

Use pattern :  
Textile auxiliary

DyStar Colours Distribution GmbH

Industriepark Höchst, Gebäude B598

D - 65926 Frankfurt am Main

Telephone no. 49(0)69/2109 - 3172

Telefax no. 49(0)69/2109 - 3000

MSDS@DyStar.com

Emergency telephone number: 49(0)214/3099300

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### **2) Hazards identification**

#### **Possible Hazards according Directive 67/548/EEC or 1999/45/EC**

No labelling is required in accordance with the EEC directives.  
If heated the product cleaves butanone oxime ( limited evidence of a carcinogenic effect ).

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### **3) Composition/information on ingredients**

#### **Chemical characterization**

modified poly isocyanate,, aqueous preparation

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### **4) First aid measures**

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

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### **5) Fire-fighting measures**

Suitable extinguishing media: water mist, foam, dry powder, CO2

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Extinguishing media that must not be used for safety reasons: not determined

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### **6) Accidental release measures**

Personal precautions: Use the necessary personal protection equipment during any work.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up with absorbent material and fill into a closable container.

Additional information: For further disposal measures see chapter 13.

### **7) Handling and storage**

Advice on safe handling: Close container immediately after use, avoid excessive heat.

Do not allow product temperature to exceed 50 °C.

During processing, ensure efficient exhaust ventilation in the working area.

Advice on protection against fire and explosion: No special measures against fire or explosion required.

Requirements for storage rooms and vessels: Store sealed in original container in a cool place.

Storage class: 12 Non-combustible liquids

Storage stability: not determined

### **8) Exposure controls/personal protection**

Ingredients with occupational exposure limits to be monitored

contains: **2-butanone oxime**

Observe national regulations.

General protective measures: Do not breathe vapour/spray. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Keep away from food and drink stuffs.

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Respiratory protection :	combination filter, e.g. DIN 3181 ABEK, if product forms vapours.
Hand protection :	Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.
Eye protection :	safety glasses with side protection shield
Body protection :	Wear protective clothing.

### **9) Physical and chemical properties**

Form :	liquid
Colour :	white
Odour :	weak odour
Melting point	not determined
Boiling point :	approx. 100 °C
Flash point :	> 100 °C
Ignition temperature :	not determined
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
Vapour pressure :	not determined
Density :	approx. 1,08 g/cm <sup>3</sup> (20 °C)
Bulk density :	not determined
Solubility in water :	miscible
pH value :	5,5 - 7,5
Octanol/water partition coefficient (log Pow) :	not determined
Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined

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Further information (phys.-chem.) not necessary

Combustion number : not determined

### **10) Stability and reactivity**

Thermal decomposition No thermal decomposition when stored and handled correctly.

Hazardous reactions: No hazardous reaction when used as directed. During application butanone oxime will split off

Hazardous decomposition products: Thermal decomposition: hydrocyanic acid Nitrogen oxides (NOx)  
Carbon monoxide and carbon dioxide

For avoidable conditions: not necessary

For avoidable materials: not necessary

### **11) Toxicological information**

Acute oral toxicity : LD50 > 2.000 mg/kg (rat)

Acute inhalation toxicity : not determined

Acute dermal toxicity : not determined

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : non-irritant (rabbit eye)

Sensitization : not determined

Repeated dose toxicity not determined

Mutagenicity: not determined

Teratogenicity : not necessary

Carcinogenicity : not necessary

### **12) Ecological information**

Physico-chemical eliminability : not determined

Biodegradability : 25 %  
Method : OECD 302 B

Behaviour in environmental compartments: not determined

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Fish toxicity :	not determined
Daphnia toxicity :	EC50 > 100 mg/l (Daphnia magna) Method : OECD 202
Algae toxicity :	not determined
Bacteria toxicity :	not determined
Dissolved Organic carbon (DOC) :	not determined
Chemical oxygen demand (COD) :	760 mg/g
Biochemical oxygen demand (BOD5):	< 20 mg/g
Remarks:	Product does not add to the AOX-value of the sewage. (DIN EN 1485) The product does not contain heavy metals in concentrations of concern for waste water.

### 13) Disposal considerations

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040215 wastes from finishing other than those mentioned in 04 02 14

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

### 14) Transport information

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other information      Keep separated from foodstuffs., Avoid temperatures below 0 °C.

### 15) Regulatory information

No labelling is required in accordance with the EEC directives.

TA-Luft (Ger.) :      Not applicable

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Water Hazard Class (Ger.) :    WGK 1 - slightly hazardous to water WGK = Classification in  
accordance with the German Water Resources Act

Other regulations: Self-commitment of TEGEWA on the classification of textile chemicals in  
accordance to their relevance to waste-water : ARS II : relevant to waste-water

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### **16) Other information**

This information is based on our present state of knowledge. It should not therefore be  
construed as guaranteeing specific properties of the products described or their suitability for  
a particular application.