

## SAFETY DATA SHEET

### GommAmica® Easybinder UV

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

##### GOMMAMICA® EASYBINDER UV

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Resistant to light polyurethane binder, for rubber and EPDM granulates. Intended for professional use in the building industry.

##### 1.3. Data of the supplier Safety Data Sheet

##### ELASTRADE S.R.L.

Via dei Termini 18,A  
 I-24040 Osio Sopra (Bg)

Tel. no. +39 035 505039 Fax:

+39 035 506986

[www.gommamica.it](http://www.gommamica.it)

[info@gommamica.it](mailto:info@gommamica.it)

##### Person responsible for the Safety Data Sheet

[info@gommamica.it](mailto:info@gommamica.it)

##### 1.4. Emergency telephone number

+48 61 810-99-09 (7.00 AM to 3.00 PM) / +39 035 50-50-39

#### SECTION 2: HAZARD IDENTIFICATION

##### 2.1. Classification of the substance or mixture

The mixture was classified as dangerous pursuant to current regulations - see section 15.

##### Classification 1272/2008/WE:

Sensitisation — Skin, category 1 (Skin Sens. 1). May cause an allergic skin reaction.

Sensitisation — Respirat., Hazard Category 1(Resp. Sens. 1) May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation (STOT SE 3). May cause respiratory irritation.

Reproductive toxicity, Hazard Category 1B (Repr. 1B) May damage fertility. May damage the unborn child.

Hazardous to the aquatic environment — Chronic Hazard, Category 3 (Aquatic Chronic 3). Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements:

Contains:

Contains isocyanates. May produce an allergic reaction.



Pictograms:  
 Signal word:

Danger

H317

May cause an allergic skin reaction.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335

May cause respiratory irritation.

H360FD

May damage fertility. May damage the unborn child.

H412

Harmful to aquatic life with long lasting effects.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

H304+H341

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312

Call a doctor if you feel unwell.



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### 2.3. Other hazards

Exothermic reaction with amines and alcohols, slow release of CO<sub>2</sub> in case of contact with water; pressure build-up in closed containers, danger of bursting of the containers.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

#### Product identification

GOMMAMICA® EASYBINDER UV

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
HDI oligomers, isocyanurate	EC: 931-274-8 CAS: 28182-81-2 Index no.: --- Registration no.: 012119485796-17-XXXX	Skin Sens. 1, H317 Acute Tox. 4; H332 STOT SE 3; H335	<25
Isophorone diisocyanate	EC: 223-861-6 CAS: 4098-71-9 Index no: 615-008-00-5 Registration no: 01-2119490408-31-XXXX	Acute Tox. 3, H331 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317 Aquatic Chronic 2; H411	<1
Dibutyltin dilaurate	EC: 201-039-8 CAS: 77-58-7 Index no.: --- Registration no.: 012119496068-27-XXXX	Skin Corr. 1C, H314 Eye dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 STOT Rep. 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	<0,5



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Hexamethylene diisocyanate	EC: 212-485-8 CAS: 822-06-0 Index no.: 615-011-00-1 Registration no.: 01-2119457571-37-XXXX	Acute Tox. 3, H331 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317	<0,1
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#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of first aid measures

General information:

See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not provoke vomiting (choking risk). Call a doctor. Person giving first aid should wear medical gloves.

##### 4.2. Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact. Vapours might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

##### 4.3. Indications of any immediate medical attention and special treatment needed

Special measures allowing for specialist and immediate aid should be available in the place of work.

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Powder, foam resistant to alcohols, carbon dioxide, water mist.

##### 5.2. Special hazards arising from the substance or mixture

Fire may cause generation of carbon dioxide and other toxic gases.

##### 5.3. Advice for firefighters

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:



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Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

#### **6.2. Environmental precautions**

Prevent leakage to the sewage system, surface waters, underground waters and soil.

#### **6.3. Methods and materials for containment and cleaning up**

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand). After approx. 1 hour put into a waste container. Do not close the container (CO<sub>2</sub> is being released). Leave for several days in a secure place outdoor.

#### **6.4. Reference to other sections**

Personal protection measures - see section 8 of the Safety Data Sheet. Disposal considerations - see section 13 of the Safety Data Sheet.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources. Do not store below 10°C and above 35°C .

#### **7.3. Special end use(s)**

Intended for professional use in the building industry taking into consideration the information included in subsections 7.1 and 7.2.



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## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1. Control parameters

Hexamethylene diisocyanate CAS 822-06-0 according to:

- TRGS 900: MAK: 0.005ppm, 0.035mg/m<sup>3</sup>, 1;=2;(I),DFG, 12

### 8.2. Exposure control

Respiratory tract protection:

Gas mask with A2-P2 type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, natural rubber, thickness >0,35 mm in the short-time exposure)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	According to the specification
Odour	characteristic
Odour threshold	not applicable
pH	not applicable
Melting/freezing point	not applicable
Boiling point	not specified
Flash point	>160°C
Autoignition point	not specified
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	not applicable
Vapour pressure	not specified
Vapour density (with regard to air)	not specified
Density	about 1.0 g/cm <sup>3</sup> (20°C)
Solubility (in water)	insoluble
N-octanol/water division ratio	not specified
Viscosity	ca. 2500 ÷ 3500 mPa s
Explosive properties	not applicable
Oxidizing properties	not applicable

### 9.2 Other informations

No available data.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is not reactive under normal conditions.

### 10.2. Chemical stability



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The product remains stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition. Exothermic reaction with amines and alcohols, slow release of CO<sub>2</sub> in case of contact with water; pressure build-up in closed containers, danger of bursting of the containers.

## SECTION 10: STABILITY AND REACTIVITY

### 10.4. Conditions to be avoided

Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

### 10.5. Incompatible materials

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

### 10.6. Hazardous decomposition products

Carbon monoxide nitric oxides, isocyanate fumes, trace amounts of hydrogen cyanide and other toxic gases are generated as a result of thermal decomposition.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

#### a) Acute toxicity

HDI oligomers, isocyanurate	LD <sub>50</sub> (rat, oral)	5000 mg/kg
	LD <sub>50</sub> (rat, inhalation)	0.390 mg/dm <sup>3</sup> /4h
Isophorone di-isocyanate	LD50 (rat, oral)	4814 mg/kg
	LC50 (rat, inhalation)	0.04 mg/dm <sup>3</sup> /4h
Dibutyltin dilaurate	LD50 (rat, oral)	175 mg/kg
	LC50 (rat, inhalation)	0.15 mg/dm <sup>3</sup> /2h
Diizocyanian heksametylenü	LC50 (rat, oral)	746 mg/kg
	LD50 (rat, inhalation)	0.124-0.35 mg/dm <sup>3</sup> /4h

#### b) Skin corrosion/irritation

No available data confirming the hazard class.

#### c) serious eye damage/irritation

No available data confirming the hazard class.

#### d) respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

#### e) germ cell mutagenicity

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

#### f) carcinogenicity

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

#### g) reproductive toxicity

May damage fertility. May damage the unborn child.

#### h) STOT-single exposure

May cause respiratory irritation.



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**i) STOT- repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**j) aspiration hazard**

No available data confirming the hazard class.

May sensitise as an effect of inhalatory and skin exposure.

Exposure routes:

Respiratory tract: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Harmful if inhaled. Skin:

May cause an allergic skin reaction.

Eyes: May cause irritating effect.

Swallowing may irritate the digestive tract and cause nausea, vomiting and diarrhoea.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Poisoning symptoms:**

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness. Fumes might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

Dibutyltin dilaurate Daphnia magna /EC50 0.66 mg/l

Isophorone di-isocyanate Daphnia magna EC50 27 mg/l 48 h

Hexamethylene diisocyanate Daphnia magna (rozwielitka wielka)/EC50 (48godz.) > 89,1 mg/l

**12.2. Persistence and degradability**

Biodegradability: 2%

Not biodegradable (OECD Guideline for Testing of Chemicals, No.301 F)

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

Product insoluble in water. The product in the contact with water changes in solid, insoluble substance (polycarbamide). CO<sub>2</sub> is released at the same time.

**12.5. Results of PBT and vPvB assessment**

No available data.

**12.6. Other adverse effects**

No available data.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and harden with the use of the proper A component, included in the set. The hardened product is not harmful waste.

**CAUTION:** harden the remains in small portions and keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:



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A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

#### SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMO/IMGD	IATA-DGR
Not hazardous in transport. Protect against moisture. Avoid temperatures below +10°C and above 35°C.		

#### SECTION 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** REACH - Regulation 2006/1907/WE CLP - Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed

#### SECTION 16: OTHER INFORMATION

**The full meaning of hazard phrases listed in section 2 to 15:**

STOT SE 3 Specific target organ toxicity– single exposure, Category 3  
H335 May cause respiratory irritation. Acute Tox. 3 Acute toxicity, Category 3 H331 Toxic if inhaled.  
Acute Tox. 4 Acute toxicity, Category 4 H332 Harmful if inhaled.  
Skin Irrit. 2 Skin irritation, Category 2 H315 Causes skin irritation.  
Skin Sens. 1 Skin sensitization, Category 1 H317 May cause an allergic skin reaction.  
Eye Irrit. 2 Eye irritation, Category 2 H319 Causes serious eye irritation.  
Resp. Sens. 1 Respiratory sensitization, Category 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Skin Corr. 1C Skin corrosion/irritation, Category 1C H314 Causes severe skin burns and eye damage.  
Muta. 2 Germ cell mutagenicity, Category 2 H341 Suspected of causing genetic defects.  
Repr. 1B Reproductive toxicity, Hazard Category 1B H360FD May damage fertility. May damage the unborn child.  
STOT SE 1 Specific target organ toxicity — single exposure, Category 1 H370 Causes damage to organs.  
STOT Rep. 1 Specific target organ toxicity — Repeated exposure, Category 1 H372 Causes damage to organs through prolonged or repeated exposure  
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1 H400 Very toxic to aquatic life.



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Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2

H411 Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Harmful to aquatic life with long lasting effects.

#### **Explanation of the abbreviations and acronyms used in the Safety Data Sheet**

**CAS no** – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

**EC no.** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place

**MPIC** – maximum permissible instantaneous concentration

**MPCC** - maximum permissible ceiling concentration

**PCB** - permissible concentration in biological material

**UN number** - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

**ADR** – European agreement on international road transport of hazardous materials

**IMO** – International Marine Organization

**RID** – Regulations for international rail transport of hazardous materials

**IMDG-Code** – International marine code for hazardous materials

**ICAO /IATA** – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics.

Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

#### **Other sources of information**

**ECHA** European Chemicals Agency

**TOXNET** Toxicology Data Network

**IUCLID** International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures. With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: Elastrade S.r.l.