



**Elastrade s.r.l.**  
Sede Operativa e Amministrativa: Via dei Termini, 20 I-24040 Osio Sopra (BG).  
Sede Legale: Via dei Termini, 18/A- 24040 Osio Sopra (BG).  
Capitale Sociale € 100.000,00 – Registro Imprese Bergamo  
R.E.A. BG-380229 – Codice Fiscale e Partita IVA 01617080666

## SCHEMA DI SICUREZZA

### GommAmica® Easybinder

#### SEZIONE 1: IDENTIFICAZIONE DELLA SOSTANZA/MISCELA E DELLA SOCIETÀ

##### 1.1. Identificazione prodotto

**GOMMAMICA® EASYBINDER**

##### 1.2. Usi pertinenti identificati e sconsigliati della sostanza o miscela

Legante a base di prepolimero poliuretano MDI per granulati di gomma ed EPDM. Destinato all'uso professionale nell'edilizia.

##### 1.3. Dettagli del fornitore della Scheda di Sicurezza

**ELASTRADE S.R.L.**  
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I-24040 Osio Sopra (Bg)

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

##### Persona responsabile per la preparazione del SDS

**1.4. Numero telefonico di emergenza** +48 61 810-99-09 (7.00 AM - 3.00 PM) / +39 035 50-50-39

#### SEZIONE 2: IDENTIFICAZIONE RISCHI E PERICOLI

##### 2.1. Classificazione sostanza o miscela

###### Classificazione 1272/2008/WE:

Effetto irritante sulla pelle, categoria 2 (Irritazione pelle 2). Causa irritazione alla pelle.

Sensibilizzazione — Pelle, categoria 1 (Sensib. pelle 1). Può causare una reazione allergica sulla pelle.

Irritazione occhi, categoria 2 (Irritaz. occhi 2). Causa un'importante irritazione agli occhi.

Sensibilizzazione — Respirat., Rischio Categoria 1 (Resp. Sens. 1). Può causare allergia, sintomi asmatici o difficoltà respiratorie se inalato.

Tossicità specifica per organi bersaglio — Singola esposizione, Rischio Categoria 3, Irritazione tratto respiratorio (STOT SE 3). Può causare irritazione respiratoria.

Cancerogenicità, Rischio Categoria 2 (Carc. 2). Sospetta causa cancro.

Tossicità specifica per organi bersaglio — Ripetuta esposizione, categoria 2 (STOT RE 2). Può causare danni agli organi attraverso prolungata o ripetuta esposizione.

##### 2.2. Elementi dell'etichetta

Contenuto:

Contiene isocianati. Può produrre reazioni allergiche.



Pittogrammi:

Avvertenza:

H315

Pericolo

Causa irritazione alla pelle.

H317

Può causare reazione allergica alla pelle.

H319

Causa importante irritazione agli occhi.

H334

Può causare allergia, sintomi asmatici o difficoltà respiratorie se inalato.

H335

Può causare irritazione respiratoria.

H351

Sospetta causa cancro.

H373

Può causare danni agli organi attraverso prolungata o ripetuta esposizione.

P261

Evitare la respirazione di vapori, spray.





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Sistema digestivo:

Non provocare vomito (pericolo di soffocamento). Consultare un medico. I soccorritori dovrebbero usare guanti medicali.

#### **4.2. Principali sintomi ed effetti, sia acuti che ritardati**

Irritazione al tratto respiratorio e alla pelle. Può provocare sensibilizzazione in caso di esposizione cutanea. Irritazione degli occhi, del naso, della gola e delle vie respiratorie. Possono verificarsi disturbi ritardati e sviluppo di ipersensibilità (problemi di respirazione, tosse, asma).

#### **4.3. Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali per i feriti**

Il cantiere dovrà prevedere mezzi speciali di assistenza specialistica e immediata.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

Dry powder, alcohol-resistant foam, carbon dioxide, water mist.

#### **5.2. Special hazards arising from the substance**

Fire may produce carbon oxide, nitrogen oxides, isocyanate vapours and trace amounts of hydrogen cyanide.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.3. Advice for firefighters**

Firefighters shall use closed respiratory protection systems and light protective garment. Cool containers adjacent to the fire by spraying with water from a safe distance. Do not allow contaminated fire water to escape into the soil, underground water or surface waters.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

For non-assisting personnel:

Remove all ignition sources. Ensure adequate ventilation of the room. Avoid direct contact with the released substance. Avoid exposure of skin and eyes. Personal protection, see SDS section 8.

For assisting personnel:

The assisting personnel/responders shall wear protective garment made of coated and impregnated fabrics, protective gloves (Viton), sealed protective eyewear and respiratory protection, i.e. gas masks with type A absorbers.

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

Prevent release into sewerage, surface waters, underground waters and soil.

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

Remove the spill (isolate and seal off the flow of liquid). Remove mechanically, cover the residues with a layer of damp, liquidbinding material (e.g. wood dust, chemicals-binding formulas based on hydrated calcium silicate, sand, etc.) Leave for ca. 1 hour, then collect into a waste bin. Do not seal hermetically (CO<sub>2</sub> emissions). Leave wet at a secured area outdoors for a few days.

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

Personal protection, see SDS section 8.

Waste treatment methods, see SDS section 13.

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

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

Keep away from heat and fire. Do not smoke cigarettes. Do not inhale vapours. Avoid exposure of skin and eyes. Use protection against electrostatic discharge. Caution: reaction with water produces carbon dioxide and positive pressure inside of containers. Use only in well-ventilated rooms.

Use personal protection, see SDS section 8.

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



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Store in hermetically sealed original containers. Do not store near large amounts of organic peroxides or other strong oxidants, amines and/or alcohols. Use protection against electrostatic discharge. Sensitive to low temperatures i.e. below 0°C. Store at +10 to +35°C.

### 7.3. Specific end uses

MDI polyurethane prepolymer based binder for rubber and EPDM granulates. Intended for professional use in the building industry, with the proviso of subsection 7.1 and 7.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters for 4,4'-methylenediphenyl diisocyanate

CAS 101-68-8 according to:

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]:

TWA 0.03 mg/m<sup>3</sup>, STEL 0.09 mg/m<sup>3</sup>

### 8.2. Exposure controls

Respiratory protection:

Gas masks with A2-P2 absorbers (EN 141).

Hand protection:

Safety gloves acc. to PN-EN 374-3 (Viton, 0.7 mm thick, penetration time > 480 mins; natural rubber, > 0.35 mm thick upon short exposure).

Eye protection:

Sealed protective eyewear.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.2. Exposure controls

Skin protection:

Suitable protective garment (coated/impregnated fabrics).

Work site:

Local exhaust, general ventilation.

Environmental exposure controls:

Prevent release into sewerage, 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	specific
Odour threshold	N/A
pH	N/A
Melting point / freezing point	N/A
Boiling point	>200°C
Ignition point	>150°C
Auto-ignition temperature	No data
Decomposition temperature	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Explosion limits	No data
Vapour pressure	No data
Vapour density (relative to air)	No data
Density	ca. 1.0 g/cm <sup>3</sup> (20°C)
Solubility (in water)	insoluble
Partition coefficient: n-octanol/water	No data
Viscosity (rotating rheometer)	2500 ÷ 3500 mPas/23°C
Explosive properties	N/A



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Oxidising properties

N/A

**9.2. Other information**

No data

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Not reactive under normal conditions.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reacts exothermically with amines and alcohols; slowly releases CO<sub>2</sub> when in contact with water; increases pressure in sealed containers; danger of bursting of sealed containers.

**10.4. Conditions to avoid**

Avoid exposure to strong oxidants, peroxides, strong acids and strong alkalis. Avoid generation and accumulation of electrostatic charges. Protect from exposure to sunlight and heat.

**10.5. Incompatible materials**

Avoid exposure to large amounts of organic peroxides, strong acids, strong alkalis and other strong oxidants. Reacts exothermically with amines and alcohols, see subsection 10.3.

**10.6. Hazardous decomposition products**

Thermal decomposition may produce carbon oxide, nitrogen oxides, isocyanate vapours and trace amounts of hydrogen cyanide.



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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No experimental data on the preparation. The evaluation is based on the data of the hazardous components of this preparation. **a)**

#### Acute toxicity

ATE mix inhalation	61,0 mg/l	
Methylene diphenyl diisocyanate	LD50 (rat, oral)	>2000 mg/kg
CAS: 26447-40-5	LC50 (rat, inhalation)	2.24 mg/l1h
	LC50 (rabbit, skin)	>9400 mg/kg/24h

**b) Skin corrosion/irritation** Causes skin irritation.

**c) serious eye damage/irritation** Causes serious eye irritation.

#### 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

Suspected of causing cancer.

#### g) reproductive toxicity

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

#### h) STOT-single exposure

May cause respiratory irritation.

#### i) STOT- repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### j) aspiration hazard

No available data confirming the hazard class.

#### Exposure routes:

Respiratory tract: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Skin: May cause an allergic skin reaction.

Eyes: Causes serious eye irritation.

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

#### Toxicity symptoms:

Headache and vertigo, tiredness, muscular fatigue, drowsiness, with loss of consciousness in extreme cases.

## SECTION 12: ECOLOGICAL INFORMATION

No experimental data on the preparation. The evaluation is based on the data of the hazardous components of this preparation.

**12.1. Toxicity** No data.



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## SECTION 13: DISPOSAL CONSIDERATIONS

**12.2. Persistence and degradability** Poor biodegradability

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

The product is insoluble in water. Reaction with water transforms the product at the interface into a solid, highly meltable and insoluble substance (polyurea). Carbod dioxide is also produced.

**12.5. Results of PBT and vPvB assessment** No data

**12.6. Other adverse effects**  
No data

**13.1. Waste neutralisation 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 leave to dry only in good ventilated rooms. The dried product is not harmful waste.

**CAUTION:** The remains should be dried in small portions. Keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

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: INFORMATION ON TRANSPORT

**ADR/RID**

**IMO/IMGD**

**IATA-DGR**

Not hazardous in transport. Avoid temperatures below 0°C and above +35°C. Optimum transport temperature: +10 to +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** None performed

## SECTION 16: OTHER INFORMATION

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

Acute Tox. 4 Acute toxicity, Category 4 H332 Harmful if inhaled.

STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2 H373

May cause damage to organs through prolonged or repeated exposure.

Skin Irrit. 2 Skin irritation.



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H315 Causes skin irritation.  
Skin Sens. 1 Skin sensitization  
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.  
STOT SE 3 Specific target organ toxicity– single exposure, Category 3 H335  
May cause respiratory irritation. Carc. 2 Carcinogenicity, Hazard Category 2  
  
H351 Suspected of causing cancer.

#### **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

#### **SECTION 16: OTHER INFORMATION**

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

**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.

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