

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 1 of 9  
Print date: 27/01/2015

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

#### 1.1 Product identifier.

Product Name: MAXELASTIC POLY (COMP.A)

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

Poliurea Membrane Component  
Uses advised against:  
Uses other than those recommended.

#### 1.3 Details of the supplier of the safety data sheet.

Company: **DRIZORO, S.A.U.**  
Address: C/ Primavera, 50 - 52 Parque Industrial Las Monjas  
City: 28850 Torrejón de Ardoz  
Province: Madrid (Spain)  
Telephone: +34 91 676 66 76  
Fax: +34 91 675 11 31  
E-mail: info@drizoro.com

**1.4 Emergency telephone number:** +34 91 676 66 76 (Only available during office hours)

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Directive 1999/45/EC:

- Xn - Harmful by inhalation.
- Xn - Limited evidence of a carcinogenic effect.
- Xn - May cause sensitisation by inhalation and skin contact.
- Xn - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- Xi - Irritating to eyes, respiratory system and skin.

In accordance with Regulation (EU) No 1272/2008:

- Acute Tox. 4 : Harmful if inhaled.
- Carc. 2 : Suspected of causing cancer.
- Eye Irrit. 2 : Causes serious eye irritation.
- Resp. Sens. 1 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin Irrit. 2 : Causes skin irritation.
- Skin Sens. 1 : May cause an allergic skin reaction.
- STOT RE 2 : May cause damage to organs through prolonged or repeated exposure.

#### 2.2 Label elements.

##### **Labelling in accordance with Regulation (EU) No 1272/2008:**

Pictograms:



Signal Word:

**Danger**

H statements:

- |      |  |
|------|--|
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                                       |
| H319 | Causes serious eye irritation.   |
| H332 | Harmful if inhaled.  |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H351 | Suspected of causing cancer.   |

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)



## MAXELASTIC POLY (COMP.A)

Version: 1

Revision date: 27/01/2015

Page 2 of 9

Print date: 27/01/2015

H373 May cause damage to organs through prolonged or repeated exposure.

P statements:

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EUH statements:

- EUH204 Contains isocyanates. May produce an allergic reaction.

Contains:

4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate  
o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate

### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Hazardous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification Regulation (EC) No 1272/2008	(*)Classification Directive 67/548/CEE
Index No: 615-005-00-9 CAS No: 101-68-8 EC No: 202-966-0 Registration No: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate	25 - 50 %	Acute Tox. 4 *, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2 *, H373** - STOT SE 3, H335	Xn Xi R20 R40 R48/20 R42/43 R36/37/38
Index No: 615-005-00-9 CAS No: 5873-54-1 EC No: 227-534-9 Registration No: 01-2119480143-45-XXXX	o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate	10 - 25 %	Acute Tox. 4 *, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2 *, H373** - STOT SE 3, H335	Xn Xi R20 R40 R48/20 R42/43 R36/37/38

(\*) The complete text of the R and H phrases is given in section 16 of this Safety Data Sheet.

\*, \*\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

## SECTION 4: FIRST AID MEASURES.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 3 of 9  
Print date: 27/01/2015

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

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

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1

Revision date: 27/01/2015

Page 4 of 9

Print date: 27/01/2015

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Chronic 2	200	500

### 7.3 Specific end use(s).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate N. CAS: 101-68-8 N. CE: 202-966-0	DNEL (Workers)	Inhalation, Long-term, Local effects	0,05 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	0,05 (mg/m <sup>3</sup> )
o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate N. CAS: 5873-54-1 N. CE: 227-534-9	DNEL (Workers)	Inhalation, Long-term, Local effects	0,05 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	0,05 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

### 8.2 Exposure controls.

#### Measures of a technical nature:

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 5 of 9  
Print date: 27/01/2015

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	<b>100 %</b>		
<b>Uses:</b>	<b>Poliurea Membrane Component</b>		
<b>Breathing protection:</b>			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
<b>Hand protection:</b>			
PPE:	Protective gloves against chemicals.		
Characteristics:	«CE» marking, category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
<b>Eye protection:</b>			
If the product is handled correctly, no individual protection equipment is necessary.			
<b>Skin protection:</b>			
PPE:	Work footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN 20347		
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.		
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident		



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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

Appearance: Liquid with characteristic odour and colour  
Colour: N.A./N.A.  
Odour: N.A./N.A.  
Odour threshold: N.A./N.A.  
pH: N.A./N.A.  
Melting point: N.A./N.A.  
Boiling Point: 293 °C  
Flash point: 227 °C  
Evaporation rate: N.A./N.A.  
Inflammability (solid, gas): N.A./N.A.  
Lower Explosive Limit: N.A./N.A.  
Upper Explosive Limit: N.A./N.A.  
Vapour pressure: N.A./N.A.  
Vapour density: N.A./N.A.  
Relative density: 1,10 - 1.15 g/cm<sup>3</sup>  
Solubility: N.A./N.A.  
Liposolubility: N.A./N.A.  
Hydrosolubility: N.A./N.A.  
Partition coefficient (n-octanol/water): N.A./N.A.  
Auto-ignition temperature: N.A./N.A.  
Decomposition temperature: N.A./N.A.  
Viscosity: 1500 - 1900  
Explosive properties: N.A./N.A.  
Oxidizing properties: N.A./N.A.  
N.A./N.A. = Not Available/Not Applicable due to the nature of the product

### 9.2. Other information.

VOC content (p/p): 0 %  
VOC content: 0 g/l

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 6 of 9  
Print date: 27/01/2015

### SECTION 10: STABILITY AND REACTIVITY.

#### 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

#### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

#### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

### SECTION 11: TOXICOLOGICAL INFORMATION.

#### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Product classified:

Acute toxicity (Inhalation), Category 4: Harmful if inhaled.

b) irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

Skin irritant, Category 2: Causes skin irritation.

c) corrosivity;

Not conclusive data for classification.

d) sensitisation;

Product classified:

Respiratory sensitiser, Category 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitiser, Category 1: May cause an allergic skin reaction.

e) repeated dose toxicity;

Product classified:

Specific target organ toxicity following a repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure.

f) carcinogenicity;

Product classified:

Carcinogen, Category 2: Suspected of causing cancer.

g) mutagenicity;

Not conclusive data for classification.

h) toxicity for reproduction;

Not conclusive data for classification.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 7 of 9  
Print date: 27/01/2015

### SECTION 12: ECOLOGICAL INFORMATION.

#### 12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

#### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

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

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

### SECTION 13 DISPOSAL CONSIDERATIONS.

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

#### 14.1 UN number.

Transportation is not dangerous.

#### 14.2 UN proper shipping name.

Transportation is not dangerous.

#### 14.3 Transport hazard class(es).

Transportation is not dangerous.

#### 14.4 Packing group.

Transportation is not dangerous.

#### 14.5 Environmental hazards.

Transportation is not dangerous.

#### 14.6 Special precautions for user.

Transportation is not dangerous.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Transportation is not dangerous.

### SECTION 15: REGULATORY INFORMATION.

#### 15.1 Safety, health and environmental regulations/legislation specific for the mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



Version: 1  
Revision date: 27/01/2015

Page 8 of 9  
Print date: 27/01/2015

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E2

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

### 15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

## SECTION 16: OTHER INFORMATION.

Complete text of the R phrases that appear in section 3:

R20	Harmful by inhalation.
R40	Limited evidence of a carcinogenic effect.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Complete text of the H phrases that appear in section 3:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

### Labelling in accordance with Directive 1999/45/EC:

Symbols:



R Phrases:

R20	Harmful by inhalation.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.

S Phrases:

S23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60	This material and its container must be disposed of as hazardous waste.
S36/37	Wear suitable protective clothing and gloves.

Other Phrases:

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.A)



**Version: 1**

**Revision date: 27/01/2015**

**Page 9 of 9**

**Print date: 27/01/2015**

Contains isocyanates. See the information provided by the manufacturer.

Contains:

4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 1 of 8  
Print date: 27/01/2015

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

#### 1.1 Product identifier.

Product Name: MAXELASTIC POLY (COMP.B)

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

Poliurea Membrane Component  
Uses advised against:  
Uses other than those recommended.

#### 1.3 Details of the supplier of the safety data sheet.

Company: **DRIZORO, S.A.U.**  
Address: C/ Primavera, 50 - 52 Parque Industrial Las Monjas  
City: 28850 Torrejón de Ardoz  
Province: Madrid (Spain)  
Telephone: +34 91 676 66 76  
Fax: +34 91 675 11 31  
E-mail: info@drizoro.com

**1.4 Emergency telephone number:** +34 91 676 66 76 (Only available during office hours)

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Directive 1999/45/EC:

Xn - Harmful if swallowed.

C - Causes severe burns.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

In accordance with Regulation (EU) No 1272/2008:

Acute Tox. 4 : Harmful if swallowed.

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.

Eye Dam. 1 : Causes serious eye damage.

Skin Corr. 1C : Causes severe skin burns and eye damage.

#### 2.2 Label elements.

##### **Labelling in accordance with Regulation (EU) No 1272/2008:**

Pictograms:



Signal Word:

**Danger**

H statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

P statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P233	Keep container tightly closed.
P378	Use ... for extinction.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)



## MAXELASTIC POLY (COMP.B)

Version: 1

Revision date: 27/01/2015

Page 2 of 8

Print date: 27/01/2015

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container to ...

Contains:  
diethylmethylbenzenediamine (Mixture of isomers)  
Polyetherdiamin

### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Hazardous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification Regulation (EC) No 1272/2008	(*)Classification Directive 67/548/CEE
CAS No: 64852-22-8	diethylmethylbenzenediamine (Mixture of isomers)	10 - 25 %	Aquatic Chronic 3, H412	C Xn R35 R52/53 R22
CAS No: 9046-10-0	Polyetherdiamin	25 - 75 %	Acute Tox. 4, H302 - Aquatic Chronic 3, H412 - Skin Corr. 1B, H314	C Xn R34 R52/53 R22

(\*)The complete text of the R and H phrases is given in section 16 of this Safety Data Sheet.

## SECTION 4: FIRST AID MEASURES.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 3 of 8  
Print date: 27/01/2015

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## SECTION 5: FIREFIGHTING MEASURES.

### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

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

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 4 of 8  
Print date: 27/01/2015

Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Chronic 2	200	500

### 7.3 Specific end use(s).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	100 %		
<b>Uses:</b>	Poliurea Membrane Component		
<b>Breathing protection:</b>	If the recommended technical measures are observed, no individual protection equipment is necessary.		
<b>Hand protection:</b>	PPE: Protective gloves against chemicals. Characteristics: «CE» marking, category III. CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420 Maintenance: Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. Observations: Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
<b>Material:</b>	PVC (polyvinyl chloride)	Breakthrough time (min.): > 480	Material thickness (mm): 0,35
<b>Eye protection:</b>	If the product is handled correctly, no individual protection equipment is necessary.		
<b>Skin protection:</b>	PPE: Work footwear. Characteristics: «CE» marking, category II. CEN standards: EN ISO 13287, EN 20347 Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people. Observations: Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident		



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 5 of 8  
Print date: 27/01/2015

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

Appearance: Liquid with characteristic odour and colour  
Colour: N.A./N.A.  
Odour: N.A./N.A.  
Odour threshold: N.A./N.A.  
pH: N.A./N.A.  
Melting point: N.A./N.A.  
Boiling Point: 200 °C  
Flash point: >100 °C  
Evaporation rate: N.A./N.A.  
Inflammability (solid, gas): N.A./N.A.  
Lower Explosive Limit: N.A./N.A.  
Upper Explosive Limit: N.A./N.A.  
Vapour pressure: N.A./N.A.  
Vapour density: N.A./N.A.  
Relative density: 1.00 - 1.05 g/cm<sup>3</sup>  
Solubility: N.A./N.A.  
Liposolubility: N.A./N.A.  
Hydrosolubility: N.A./N.A.  
Partition coefficient (n-octanol/water): N.A./N.A.  
Auto-ignition temperature: N.A./N.A.  
Decomposition temperature: N.A./N.A.  
Viscosity: 1000 - 1500  
Explosive properties: N.A./N.A.  
Oxidizing properties: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### 9.2. Other information.

VOC content (p/p): 0 %  
VOC content: 0 g/l

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.

### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.

### 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).
- NOx (nitrogen oxides).
- Organic compounds.
- Nitrogenous compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1

Revision date: 27/01/2015

Page 6 of 8

Print date: 27/01/2015

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Product classified:

Acute toxicity (Oral), Category 4: Harmful if swallowed.

b) irritation;

Not conclusive data for classification.

c) corrosivity;

Product classified:

Serious eye damage, Category 1: Causes serious eye damage.

Skin Corrosive, Category 1C: Causes severe skin burns and eye damage.

d) sensitisation;

Not conclusive data for classification.

e) repeated dose toxicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) mutagenicity;

Not conclusive data for classification.

h) toxicity for reproduction;

Not conclusive data for classification.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

## SECTION 13 DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 7 of 8  
Print date: 27/01/2015

### SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**Land:** Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

**Sea:** Transport by ship: IMDG.

Transport documentation: Bill of lading

**Air:** Transport by plane: ICAO/IATA.

Transport document: Airway bill.

#### 14.1 UN number.

UN No: UN2735

#### 14.2 UN proper shipping name.

Description: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS POLYETHERDIAMIN / DIETHYLMETHYLBENZENEDIAMINE (MIXTURE OF ISOMERS)), 8, PG III, (E)

#### 14.3 Transport hazard class(es).

Class(es): 8

#### 14.4 Packing group.

Packing group: III

#### 14.5 Environmental hazards.

Marine pollutant: No

#### 14.6 Special precautions for user.

Labels: 8



Hazard number: 80

ADR LQ: 5 L

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-B

Proceed in accordance with point 6.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

The product is not transported in bulk.

### SECTION 15: REGULATORY INFORMATION.

#### 15.1 Safety, health and environmental regulations/legislation specific for the mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E2

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

#### 15.2 Chemical safety assessment.

# SAFETY DATA SHEET

(in accordance with Regulation (UE) 453/2010-(EC) No 1907/2006)

## MAXELASTIC POLY (COMP.B)



Version: 1  
Revision date: 27/01/2015

Page 8 of 8  
Print date: 27/01/2015

There has been no evaluation a chemical safety assessment of the product.

### SECTION 16: OTHER INFORMATION.

Complete text of the R phrases that appear in section 3:

R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Complete text of the H phrases that appear in section 3:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

#### Labelling in accordance with Directive 1999/45/EC:

Symbols:



Corrosive

R Phrases:

R22	Harmful if swallowed.
R35	Causes severe burns.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S57	Use appropriate container to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

Contains:

diethylmethylbenzenediamine (Mixture of isomers)  
Polyetherdiamin

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.