	<b>SAFETY DATA SHEET</b>	Page : 1 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

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

### 1.1. Product identifier

Trade name : MOLDING-PUR-80-A  
Product code : 330-2-2-A

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

Use : Two Components 1/1 Mixing Ratio, Cold Cast Elastomer, for Molding and Casting Applications  
<<FOR PROFESSIONAL USERS ONLY>>

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

Company identification : ALCHIMICA S.A.  
13, ORIZOMILON STR.  
Tel: +30-210/569-1336, Fax: +30-210-5619287  
122 44 EGALEO - ATHENS GREECE  
alchimica@alchimica.com

### 1.4. Emergency telephone number

Phone nr : +30-210/569-1336 [ Business hours only ]

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification EC 67/548 or EC 1999/45

Classification : Carc. Cat. 3; R40  
R42/43

#### Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

Health hazards : Respiratory sensitization - Category 1 - Danger (CLP : Resp. Sens. 1) H334  
Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1) H317  
Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351

### 2.2. Label elements


#### Labelling EC 67/548 or EC 1999/45

Symbol(s)



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	<b>SAFETY DATA SHEET</b>	Page : 2 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

## 2. Hazards identification (continued)

<b>Symbol(s)</b>	: Xn : Harmful
<b>R Phrase(s)</b>	: R40 : Limited evidence of a carcinogenic effect. R42/43 : May cause sensitization by inhalation and skin contact.
<b>S Phrase(s)</b>	: S2 : Keep out of the reach of children. S23 : Do not breathe the gas, fumes, vapours, spray. S36/37 : Wear suitable protective clothing and gloves. S40 : To clean the floor and all objects contaminated by this material, use xylene. S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible). S63 : In case of accident by inhalation : remove casualty to fresh air and keep at rest.
<b>Contains</b>	: Diphenylmethane-4,4'-diisocyanate <<Contains isocyanates. See information supplied by the manufacturer>>.

### Labelling Regulation EC 1272/2008 (CLP)

#### Hazard pictograms




<b>Signal words</b>	: Danger
<b>Hazard statements</b>	: H351 : Suspected of causing cancer. H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317 : May cause an allergic skin reaction.
<b>Precautionary statements</b>	
• <b>General</b>	: 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. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood.
• <b>Prevention</b>	: P285: In case of inadequate ventilation wear respiratory protection. P280: Wear protective gloves. P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P272: Contaminated work clothing should not be allowed out of the workplace.
• <b>Response</b>	: P304+P341: IF INHALED : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. P302+P352: IF ON SKIN : Wash with plenty of soap and water. P308+P313: If exposed or concerned : get medical advice. P333+P313: If skin irritation or rash occurs : Get medical advice. Wash contaminated clothing before reuse.
• <b>Storage</b>	: P405: Store locked up.
• <b>Disposal considerations</b>	: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
<b>Contains</b>	: Diphenylmethane-4,4'-diisocyanate

### 2.3. Other hazards

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	<b>SAFETY DATA SHEET</b>	Page : 3 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

## 2. Hazards identification (continued)

None under normal conditions.

## 3. Composition/information on ingredients

**Substance / Preparation** : Preparation.  
**Hazardous component(s)** : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Diphenylmethane-4,4'-diisocyanate	< 5 %	101-68-8	202-966-0	615-005-00-9	----	Carc. Cat. 3; R40 Xn; R20-48/20 Xi; R36/37/38 R42/43 ----- Resp. Sens. 1 _ H334 Acute Tox. 4 (inhal) _ H332 Carc. 2 _ H351 Eye irrit 2 _ H319 Skin Irrit. 2 _ H315 STOT SE 3 _ H335 Skin Sens. 1 _ H317 STOT RE 2 _ H373

## 4. First aid measures

### 4.1. Description of first aid measures

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
**Ingestion** : Do not induce vomiting.  
 Obtain emergency medical attention.

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

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

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

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire-fighting measures


### 5.1. Extinguishing media

**Suitable extinguishing media** : Foam. Water spray. Dry powder. Carbon dioxide. Sand.  
**Unsuitable extinguishing media** : Do not use a heavy water stream.  
**Surrounding fires** : Use water spray or fog for cooling exposed containers.

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

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	<b>SAFETY DATA SHEET</b>	Page : 4 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

## 5. Fire-fighting measures (continued)

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

### 5.3. Advice for fire-fighters

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## 6. Accidental release measures

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

**For emergency responders** : Equip cleanup crew with proper protection. Ventilate area.

### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spills and put it into appropriated container.

### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

## 7. Handling and storage

### 7.1. Precautions for safe handling

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

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

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.


**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

**Specific end use(s)** : None.

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	<b>SAFETY DATA SHEET</b>	Page : 5 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

#### Personal protection



#### Personal protection

- **Respiratory protection** : Avoid all unnecessary exposure.  
: In case of inadequate ventilation wear respiratory protection.  
Where excessive vapour may result, wear approved mask.
- **Hand protection** : Wear protective gloves.  
In case of repeated or prolonged contact wear gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

### 8.2. Control parameters


## 9. Physical and chemical properties

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

<b>Physical state</b>	: Liquid.
<b>Colour</b>	: Transparent
<b>Odour</b>	: Characteristic.
<b>Odour threshold</b>	: No data available.
<b>pH value</b>	: No data available.
<b>Melting point [°C]</b>	: No data available.
<b>Decomposition point [°C]</b>	: No data available.
<b>Critical temperature [°C]</b>	: No data available.
<b>Auto-ignition temperature [°C]</b>	: No data available.
<b>Flammability (solid, gas)</b>	: No data available.
<b>Flash point [°C]</b>	: >200
<b>Initial boiling point [°C]</b>	: No data available.
<b>Final boiling point [°C]</b>	: No data available.
<b>Evaporation rate</b>	: No data available.
<b>Acid/alkali reserve [g NaOH/100g]</b>	: No data available.
<b>Explosion limits - lower [%]</b>	: No data available.
<b>Explosion limits - upper [%]</b>	: No data available.
<b>Vapour pressure mm/Hg</b>	: No data available.
<b>Vapour density</b>	: No data available.
<b>Density [g/cm<sup>3</sup>]</b>	: 1.06-1.08
<b>Solubility in water [% weight]</b>	: No data available.

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	<b>SAFETY DATA SHEET</b>	Page : 6 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

## 9. Physical and chemical properties (continued)

**Solubility in water** : Insoluble.  
**Log Pow octanol / water at 20°C** : No data available.  
**Solubility** : Organic solvents.  
**Viscosity at 20°C [mPa.s]** : 1900

### 9.2. Other information

**Explosive properties** : No data available.  
**Oxidising properties** : No data available.

## 10. Stability and reactivity

### 10.1. Reactivity

**Reactivity** : Not established.

### 10.2. Chemical stability

**Chemical stability** : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions** : Not established.

### 10.4. Conditions to avoid

**Conditions to avoid** : Extremely high or low temperatures. Direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Fumes.


## 11. Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** : Not established.  
**Corrosion** : Not established.  
**Irritation** : Not established.  
**Sensitization** : May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 May cause an allergic skin reaction.

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	<b>SAFETY DATA SHEET</b>	Page : 7 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

#### 11. Toxicological information (continued)

Mutagenicity	: Not established.
Carcinogenicity	: Suspected of causing cancer.
Toxic for reproduction	: Not established.
STOT-single exposure	: Not established.
STOT-repeated exposure	: Not established.
Aspiration hazard	: Not established.

#### 12. Ecological information

##### 12.1. Toxicity

Toxicity information : Not established.

##### 12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

##### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

##### 12.4. Mobility in soil

Log Pow octanol / water at 20°C : No data available.  
 Mobility in soil : Not established.

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

Results of PBT and vPvB assessment : Not applicable.

##### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods


General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

#### 14. Transport information

##### 14.1. Land transport (ADR-RID)

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	<b>SAFETY DATA SHEET</b>	Page : 8 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

#### 14. Transport information (continued)

General information : Not regulated.

##### 14.2. Sea transport (IMDG) [English only]

General information : Not regulated.

##### 14.3. Air transport (ICAO-IATA) [English only]

General information : Not regulated.

#### 15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

##### 15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

#### 16. Other information

Revision : Revision - See : \*

Abbreviations and acronyms : Not applicable.

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

List of relevant R phrases (heading 3) : R20 : Harmful by inhalation.  
R36/37/38 : Irritating to eyes, respiratory system and skin.  
R40 : Limited evidence of a carcinogenic effect.  
R42/43 : May cause sensitization by inhalation and skin contact.  
R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.

List of full text of H-statements in section 3 : H351 : Suspected of causing cancer.  
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 : May cause an allergic skin reaction.

Further information : None.


In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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	<b>SAFETY DATA SHEET</b>	Page : 9 / 9
		Revised edition no : 0
		Date : 14 / 1 / 2011
		Supersedes : 0 / 0 / 0
<b>MOLDING-PUR-80-A</b>		<b>330-2-2-A</b>

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