

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

#### 1.1 Product identifier

. Trade name : **THINNER 116 FOR EPOXY PAINT**

. Article number: -----

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

**THINNER FOR EPOXY PAINT**

. Application of the substance / the preparation In industrial application : THINNER

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

. Manufacturer/Supplier: **EPOLAC (Eng.J.Zamlar) LTD**

. Hamerkava 2 st Ziporit Ind Zone

. P.O.BOX 747 1710602 ISRAEL

. [www.epolac.com](http://www.epolac.com) [inf@epolac.com](mailto:inf@epolac.com)

. Customer Information Number: Tel + 972 4 6518851 Fax + 972 4 6519151

. Further information obtainable from: Health & Safety

. 1.4 Emergency telephone number: 972-4-6518851

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008



Flam. Liq. 2



Eye Dam. 1 Skin Irrit. 2  
Skin sens. 1



STOT SE 3 H335 STOT RE 2 H373

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02



GHS07



GHS05

##### Signal word Danger

##### Hazard-determining components of labelling:

Xylene, Butanol, Toluene, Methyl Isobutyl Ketone

##### Hazard statements :

- . H225 Highly flammable liquid and vapour.
- . H315 Causes skin irritation.
- . H318 Causes serious eye damage.
- . H317 May cause an allergic skin reaction.
- . H412 Harmful to aquatic life with long lasting effects.

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.07.2017

Version number 2

Revision : 01.07.2017

Trade name : **THINNER 206 FOR EPOXY PAINT**

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### Precautionary 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.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): 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.
- P310 Immediately call a POISON CENTER/doctor.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment













- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Identification of the substance/mixture and of the company/undertaking

### 3.2 Chemical characterization: Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS:1330-20-7 EINECS:215-535-7 Index number : 601-022-00-9	Xylene    Flam. Liq. 3 H226 Acute Tox. 4 H312 Acute Tox. 4 H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Asp. Tox. 1 H304 STOT SE 3 H335 STOT RE 2 H373	40 - 50 %
CAS:71-36-3 EINECS:200-751-6 Index number:603-004-00-6	Butanol    Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, Skin Irrit. 2, H315; STOT SE 3, H335 - H336	0 - 15 %
CAS: 108-10-1 EINECS: 203-550-1 Index number: : 606-004-00-4	Methyl Isobutyl Ketone    Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation: dust,mist), H332 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335	15 - 35 %
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-0043	Toluene    Flam. Liq. 2 H225 Skin Irrit. 2 H315 Asp. Tox. 1 H304 Repr. Tox. 2 H361d STOT SE 3 H336 STOT RE 2 H373	20 - 40 %

- **Additional information:** For the wording of the listed risk phrases refer to section 16

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### 4 First aid measures

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#### 4.1 Description of first aid measures

- **General information:** Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

### 5 Firefighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire. In case of fire the following can be released : Carbon monoxide (Co).
- **5.3 Advice for firefighters :** Do not allow run-off from fire fighting to enter drains or water courses.
- **Protective equipment:** Wear full protective clothing and self contained breathing apparatus.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep Unprotected persons away.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system.].
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information/

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### 7 Handling and storage

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· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

Store in cool, dry conditions in well-sealed receptacles.

Protect from heat and direct sunlight.

· **7.3 Specific end use(s):** No further relevant information available.

### 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

<b>1330-20-7 xylene</b>	
IOELV	TLV-ACGIH 100 ppm (TWA), 150 ppm (STEL) OSHA-PEL 100 ppm (TWA) MAK-GER 440 mg/m <sup>3</sup> (TWA) REL-NIOSH 100 ppm (TWA), 150 ppm (STEL)
<b>71-36-3 Butanol</b>	
IOELV	Short-term value: 150 mg/m <sup>3</sup> , 100 ppm Short-term value: 50 mg/m <sup>3</sup> , 50 ppm skin
<b>108-10-1 Methyl Isobutyl Ketone</b>	
IOELV	Short-term value: 20 mg/m <sup>3</sup> , 20 ppm Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
<b>108-88-3 Toluene</b>	
IOELV	OSHA-PEL 200 ppm (TWA), 300 ppm (CEIL) TLV-ACGIH 20 ppm (TWA) REL-NIOSH 100 ppm (TWA), 150 ppm (STEL) MAK-GER 190 mg/m <sup>3</sup> (TWA)

**Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing , Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

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· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing, Work shoes.

## 9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	colorless
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined
· <b>pH-value at 25 °C</b>	Not determined
· <b>Change in condition</b>	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	110 °C
· <b>Flash point:</b>	25 °C
· <b>Flammability (solid, gaseous):</b>	Not applicable
· <b>Ignition temperature:</b>	460
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not explosive
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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<ul style="list-style-type: none"> <li>• <b>Explosion limits:</b></li> <li style="padding-left: 20px;">Lower: 1,1 Vol %</li> <li style="padding-left: 20px;">Upper: 7,0 Vol %</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Vapour pressure at 20 °C:</b> 6,7 hPa</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Density at 25 °C:</b> 0.87 g/cm<sup>3</sup></li> <li>• <b>Relative density :</b> Not determined.</li> <li>• <b>Vapour density :</b> Not determined.</li> <li>• <b>Evaporation rate:</b> Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Solubility in / Miscibility with Water:</b> Not miscible or difficult to mix.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Partition coefficient (n-octanol/water):</b> Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Viscosity:</b></li> <li style="padding-left: 20px;"><b>Dynamic at 25 °C:</b> 2-3 Pa*s</li> <li style="padding-left: 20px;"><b>Kinematic:</b> Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Solvent content:</b></li> <li style="padding-left: 20px;"><b>Organic solvents:</b> 100%</li> <li style="padding-left: 20px;"><b>VOC (EC) :</b> Not determined</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Solids content:</b> non</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>9.2 Other information</b> No further relevant information available.</li> </ul>	

### 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** No dangerous reactions known.
- **10.4 Conditions to avoid :** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity :** Based on available data, the classification criteria are not met
- **LD/LC50 values relevant for classification:** Irritating to eyes and skin.

#### LD/LC50 values relevant for classification:

##### 1330-20-7 xylene

Oral	LD 50	3,523 mg/kg bw
Dermal	LD 50	12,126 mg/kg
Inhalation	LC50/4 h	27,124 mg/m <sup>3</sup>

##### 71-36-3 Butanol

Oral	LD 50	790 mg/kg (rat)
Dermal	LD 50	3400 mg/kg (rabbit)
Inhalation	LC50/4 h	8000 mg/l (rat)

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### 108-10- 1 Methyl Isobutyl Ketone

Oral	LD 50	2080 mg/kg (rat)
Dermal	LD 50	3000mg/kg (rabbit)

### 108-88-3 Toluene

Oral	LD 50	8.1 mg/kg bw/day
Dermal	LD 50	226 mg/kg bw/day
Inhalation	LC50/4 h	56.5 mg/m <sup>3</sup> /24 hours

- **Primary irritant effect:**
- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eye damage/irritation :** Causes serious eye damage.
- **Respiratory or skin sensitization :** *May cause an allergic skin reaction.*
- **CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction)**
- **Germ :** cell mutagenicity Based on available data, the classification criteria are not met.
- **Carcinogenicity :** Based on available data, the classification criteria are not met.
- **Reproductive toxicity :** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure :** Based on available data, the classification criteria are not met.
- **Aspiration hazard :** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability :** No further relevant information available.
- **12.3 Bioaccumulative potential :** No further relevant information available.
- **12.4 Mobility in soil :** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water,  
water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects :** No further relevant information available.


## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.  
Disposal of contents must be in whole and tightly closed packages/ containers.  
Contents must be disposed to authorized site for hazardous waste treatment.

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### 14 Transport information

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<ul style="list-style-type: none"> <li>· 14.1 UN-Number</li> <li>· ADR, ADN</li> <li>· IMDG, IATA</li> </ul>	UN 1263 paint
<ul style="list-style-type: none"> <li>· 14.2 UN proper shipping name</li> <li>· ADR, ADN</li> <li>· IMDG, IATA</li> </ul>	Un 1263 paint FLAMMABLE LIQUID, N.O.S. (Xylene, Butanol , Toluene, Methyl Isobutyl Ketone)
<ul style="list-style-type: none"> <li>· 14.3 Transport hazard class(es)</li> <li>· ADR, ADN</li> <li>· Class</li> <li>· IMDG, IATA</li> </ul>  <ul style="list-style-type: none"> <li>· Class</li> <li>· label</li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· 14.4 Packing group</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>· 14.5 Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	NO
<ul style="list-style-type: none"> <li>· 14.6 Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	3.3 F-E, <u>S</u> -E
<ul style="list-style-type: none"> <li>· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</li> </ul>	Not applicable
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> <li>· ADR</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	EAC : 3YE  1L Code : E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E 1L Code : E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	Un 1263 paint FLAMMABLE LIQUID, N.O.S. (Xylene, Butanol , Toluene, Methyl Isobutyl Ketone)

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### 15 Regulatory information

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- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.
- **Hazard-determining components of labelling:** butanol
- **Hazard statements**

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary 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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P303+P361+P353	IF ON SKIN (or hair): 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.
P310	Immediately call a POISON CENTER/doctor
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:** non
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

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- H225 Highly flammable liquid and vapour.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H317 May cause an allergic skin reaction.
  - H412 Harmful to aquatic life with long lasting effects.
  - **Department issuing MSDS:** Product safety department.
  - **Abbreviations and acronyms:**
    - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
    - IMDG: International Maritime Code for Dangerous Goods*
    - IATA: International Air Transport Association*
    - EINECS: European Inventory of Existing Commercial Chemical Substances*
    - ELINCS: European List of Notified Chemical Substances*
    - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
    - VOC: Volatile Organic Compounds (USA, EU)*
    - Flam. Liq. 2: Flammable liquids, Hazard Category 2*
    - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*
    - Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*
    - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*
    - Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1*
    - Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1*
    - Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*
- \* Data compared to the previous version altered.