

# **ITW** Engineered Polymers

## SAFETY DATA SHEET PHILLYMASTIC TG-7B PASTE HARDENER

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

#### 1.1. Product identifier

**Product name** PHILLYMASTIC TG-7B PASTE HARDENER  
**Product number** Y0014

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

**Identified uses** Hardener.

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

**Supplier** ITW Engineered Polymers  
Bay 150  
Shannon Industrial Estate  
Shannon  
Co. Clare  
  
+353 (0)61 471 299  
+353 (0)61 471 285  
mail@itwep.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44(0)1235 239 670 (24h)

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Not Classified  
**Health hazards** Skin Corr. 1B - H314 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** Carc. Cat. 1;R45. Xn;R21. C;R34. R43. R52/53,R10.

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

## PHILLYMASTIC TG-7B PASTE HARDENER

<b>Precautionary statements</b>	P273 Avoid release to the environment.
	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 national regulations.

**Contains** TRIETHYLENETETRAMINE, TURPENTINE, OIL

<b>Supplementary precautionary statements</b>	P260 Do not breathe vapour/spray.
	P261 Avoid breathing vapour/spray.
	P264 Wash contaminated skin thoroughly after handling.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P321 Specific treatment (see medical advice on this label).
	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.	
P405 Store locked up.	

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SILICA SAND</b>		<b>60-100%</b>
CAS number: 14808-60-7	EC number: 238-878-4	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Not Classified	-	
<b>TRIETHYLENETETRAMINE</b>		<b>10-30%</b>
CAS number: 112-24-3	EC number: 203-950-6	REACH registration number: 01-2119487919-13-0000
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H312	C;R34 Xn;R21 R43 R52/53	
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		

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<b>TURPENTINE, OIL</b>		<b>1-5%</b>
CAS number: 8006-64-2		EC number: 232-350-7
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R20/21/22,R65 R43 Xi;R36/38 N;R51/53	
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Show this safety data sheet to the doctor in attendance Do not breathe vapour/spray. Avoid contact with eyes.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Avoid breathing fire gases or vapours.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Avoid contact with skin and eyes.

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

**Storage precautions** Store in closed original container at temperatures between 15°C and 25°C. Store in tightly-closed, original container. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### SILICA SAND

Long-term exposure limit (8-hour TWA): WEL 0.3 mg/m<sup>3</sup> Resp Dust, HK

##### TURPENTINE, OIL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

## PHILLYMASTIC TG-7B PASTE HARDENER

<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves made of the following material: Rubber or plastic.
<b>Other skin and body protection</b>	Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless to pale yellow.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 7 @ 25 °C
<b>Initial boiling point and range</b>	204°C @
<b>Flash point</b>	118°C
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 3.6 Lower flammable/explosive limit: 1.0
<b>Relative density</b>	1.6 @ 20 °C°C
<b>Solubility(ies)</b>	Miscible with water.

#### 9.2. Other information

<b>Other information</b>	Not available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Strong oxidising agents.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not available.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Avoid contact with oxidising agents. Nitrous acid and other nitrosating agents.
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#### 10.6. Hazardous decomposition products

## PHILLYMASTIC TG-7B PASTE HARDENER

**Hazardous decomposition products** Fire or high temperatures create: Nitrous gases (NO<sub>x</sub>). Oxides of the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Vapours/gases/fumes of: Ammonia or amines.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 15,822.78

##### Acute toxicity - dermal

ATE dermal (mg/kg) 3,956.83

##### Acute toxicity - inhalation

ATE inhalation (gases ppm) 142,405.06

ATE inhalation (vapours mg/l) 348.1

ATE inhalation (dusts/mists mg/l) 47.47

**Skin contact** Corrosive. Prolonged contact causes serious tissue damage. May cause sensitisation by skin contact.

**Eye contact** This product is strongly corrosive. Immediate first aid is imperative.

**Acute and chronic health hazards** May cause cancer. Prolonged or repeated exposure may cause severe irritation. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. May cause liver and/or renal damage. Respiratory system, lungs

### SECTION 12: Ecological Information

**Ecotoxicity** Avoid or minimise the creation of any environmental contamination.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** Avoid subsoil penetration.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

## PHILLYMASTIC TG-7B PASTE HARDENER

<b>General information</b>	When handling waste, the safety precautions applying to handling of the product should be considered.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	08 04 99

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE)

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

ADR/RID class	8
ADR/RID subsidiary risk	
ADR/RID label	8
IMDG class	8
IMDG subsidiary risk	
ICAO class/division	8
ICAO subsidiary risk	

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-A, S-B
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## PHILLYMASTIC TG-7B PASTE HARDENER

Emergency Action Code 2X

Hazard Identification Number 80  
(ADR/RID)

Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

#### SECTION 15: Regulatory information

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

**EU legislation** 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 (as amended).

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

**Revision date** 16/04/2015

**Revision** 8

**Supersedes date** 09/08/2014

**Risk phrases in full** NC Not classified.  
R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R21 Harmful in contact with skin.  
R34 Causes burns.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R45 May cause cancer.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

**Hazard statements in full** H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.