

# **ITW** Engineered Polymers

## SAFETY DATA SHEET MA422/425 EU Activator

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

#### 1.1. Product identifier

Product name MA422/425 EU Activator

Product number IT 159

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

Identified uses Activator.

#### 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 Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) Xi;R36. R43.

#### 2.2. Label elements

##### Pictogram



Signal word Warning

Hazard statements  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

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<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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**Contains** BENZOYL PEROXIDE

<b>Supplementary precautionary statements</b>	<p>P261 Avoid breathing vapour/spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>
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### 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>BENZOYL PEROXIDE</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 94-36-0	EC number: 202-327-6	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Org. Perox. B - H241	E;R3 O;R7 Xi;R36 R43	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
<b>EPOXY RESIN (Number average MW &lt;= 700 )</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 25068-38-6	EC number: 500-033-5	REACH registration number: 01-2119456619-26-0000
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	R43 Xi;R36/38 N;R51/53	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		
<b>p(BD/MMA/STY)</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 25053-09-2		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi;R36/38. R43.	
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

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

## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin 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: Carbon dioxide (CO <sub>2</sub> ). Dry chemicals. Foam. Water spray.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> .
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

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**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Keep away from heat, sparks and open flame. Handle and open container with care. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. 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.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

### 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

#### BENZOYL PEROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

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.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Use protective gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear chemical protective suit.

#### Hygiene measures

Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

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### SECTION 9: Physical and Chemical Properties

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

Appearance	Paste.
Colour	Blue.
Odour	Slight.
pH	pH (diluted solution): 7
Melting point	N/D°C
Initial boiling point and range	N/D°C @
Evaporation rate	<<1( BuAc=1)
Vapour pressure	N/D @ °C
Vapour density	N/D
Relative density	1.08 @ °C
Solubility(ies)	Slightly soluble in water.

#### 9.2. Other information

Other information	No information required.
Volatility	<1

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	Strong oxidising agents.
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#### 10.2. Chemical stability

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

Possibility of hazardous reactions	Will not polymerise.
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#### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.
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#### 10.5. Incompatible materials

Materials to avoid	Strong mineral acids. Strong oxidising agents. Alkalis - organic. Amines.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Aldehydes. Acids.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Inhalation	No significant hazard at normal ambient temperatures. Heating may generate the following products: Irritating gases or vapours.
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<b>Ingestion</b>	Nausea, vomiting. Diarrhoea.
<b>Skin contact</b>	Irritating to skin. May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Irritating to eyes. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.
<b>Acute and chronic health hazards</b>	The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.

### SECTION 12: Ecological Information

**Ecotoxicity** Avoid releasing into the environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: BPO:96 hr, LC50 GUPPY (SEMI-STATIC)=2.0 mg/l mg/l, Fish

#### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

**Mobility** Do not discharge into drains or watercourses or onto the ground.

#### 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

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** 08 04 99

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

No information required.

**UN No. (IMDG)**

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### UN No. (ICAO)

#### 14.2. UN proper shipping name

No information required.

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

No information required.

#### ADR/RID class

#### ADR/RID subsidiary risk

#### ADR/RID label

#### IMDG class

#### IMDG subsidiary risk

#### ICAO class/division

#### ICAO subsidiary risk

#### Transport labels

#### 14.4. Packing group

No information required.

#### ADR/RID packing group

#### IMDG packing group

#### ICAO packing group

#### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

No information required.

#### EmS

#### Emergency Action Code

#### Hazard Identification Number (ADR/RID)

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

Transport in bulk according to No information required.

#### Annex II of MARPOL 73/78 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).

**Water hazard classification** WGK 2

#### 15.2. Chemical safety assessment

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No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	08/04/2015
<b>Revision</b>	6
<b>Supersedes date</b>	30/08/2011
<b>Risk phrases in full</b>	R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition. R36 Irritating to eyes. R43 May cause sensitisation by skin contact. R7 May cause fire.
<b>Hazard statements in full</b>	H241 Heating may cause a fire or explosion. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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.