



**SAFETY DATA SHEET**  
**MA2230/2245/2290 BLACK ACTIVATOR**

## 1. Identification

### Product identifier

**Product name** MA2230/2245/2290 BLACK ACTIVATOR

**Product number** 0735

### Recommended use of the chemical and restrictions on use

**Application** Adhesive.

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

#### Supplier

ITW Performance Polymers  
Bay 150  
Shannon Industrial Estate  
Co. Clare  
Ireland  
V14 DF82  
353(61)771500  
353(61)471285  
mail@itwpp.com

### Emergency telephone number

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

## 2. Hazard(s) identification

### Classification of the substance or mixture

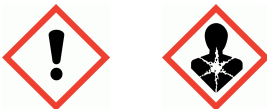
**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT RE 1 - H372

**Environmental hazards** Not Classified

### Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H372 Causes damage to organs (Kidneys) through prolonged or repeated exposure if swallowed.

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<b>Precautionary statements</b>	<p>P260 Do not breathe vapor/ spray.</p> <p>P261 Avoid breathing vapor/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</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>P314 Get medical advice/ attention if you feel unwell.</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>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** DIBUTYL MALEATE, BENZOYL PEROXIDE

### 3. Composition/information on ingredients

#### Mixtures

<b>DIBUTYL MALEATE</b>	<b>10-30%</b>
CAS number: 105-76-0	
<b>Classification</b>	
Skin Sens. 1 - H317	
<b>BENZOYL PEROXIDE</b>	<b>10-30%</b>
CAS number: 94-36-0	
<b>Classification</b>	
Org. Perox. B - H241	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	IF SWALLOWED: Do not induce vomiting unless under the direction of medical personnel.
<b>Skin Contact</b>	Immediately remove contaminated clothing. Continue to rinse for at least 15 minutes and get medical attention.
<b>Eye contact</b>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

<b>Inhalation</b>	May cause eye and respiratory system irritation. Vapours may cause drowsiness and dizziness. Vapors in high concentrations are anesthetic.
<b>Ingestion</b>	May cause irritation. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract. Burning sensation in mouth.

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**Skin contact** Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.

**Eye contact** Causes serious eye irritation. Severe irritation, burning and tearing. Prolonged or repeated exposure may cause the following adverse effects: Corneal damage.

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

**Notes for the doctor** Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water, if avoidable.

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

**Specific hazards** Avoid contact with oxidizing agents.

#### Advice for firefighters

**Protective actions during firefighting** Evacuate area. Use cold water spray to cool fire exposed containers to minimise risk of rupture. Do not enter storage areas or confined spaces unless adequately ventilated. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

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

**Personal precautions** Evacuate area of unprotected personnel.

#### Environmental precautions

**Environmental precautions** Avoid release to the environment.

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

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Wear necessary protective equipment.

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid breathing vapour/spray.

**Advice on general occupational hygiene** Wash skin thoroughly after handling.

#### 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from incompatible materials (see Section 10).

#### Specific end uses(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure Controls/personal protection

#### Exposure controls

#### Protective equipment



#### Eye/face protection

Wear eye protection. Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

#### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.

#### Other skin and body protection

Wear apron or protective clothing in case of contact.

#### Hygiene measures

Take off immediately all contaminated clothing and wash it before reuse. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Organic vapor filter. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Black.
<b>Odor</b>	Mild. Ester.
<b>pH</b>	pH (concentrated solution): 6-8
<b>Initial boiling point and range</b>	>287.7°C
<b>Flash point</b>	> 93.3°C Not specified.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapor pressure</b>	<0.5 mm Hg @ 68°F
<b>Relative density</b>	1.066 g/cm <sup>3</sup>
<b>Volatile organic compound</b>	Not determined.

### 10. Stability and reactivity

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<b>Reactivity</b>	Avoid contact with the following materials: Oxidizing agents. Strong acids. Strong alkalis.
<b>Stability</b>	Unstable.
<b>Possibility of hazardous reactions</b>	Avoid contact with acids and alkalis.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Oxidizing agents. Avoid freezing. Avoid exposure to high temperatures or direct sunlight. Do not subject to friction.
<b>Materials to avoid</b>	Strong acids. Strong alkalis. Oxidizing agents.
<b>Hazardous decomposition products</b>	Not known.

**11. Toxicological information****Information on toxicological effects**

<b>Inhalation</b>	May cause respiratory system irritation. Prolonged or repeated exposure may cause the following adverse effects: May cause drowsiness or dizziness.
<b>Ingestion</b>	May cause irritation. Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
<b>Skin Contact</b>	Causes skin and eye irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation. Prolonged or repeated exposure may cause the following adverse effects: Corneal damage.
<b>Route of entry</b>	Inhalation Ingestion Skin and/or eye contact

**12. Ecological Information**

<b>Ecotoxicity</b>	There are no data on the ecotoxicity of this product.
<b>Toxicity</b>	Not determined.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	No information available.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	Avoid releasing into the environment.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	Not determined.

**13. Disposal considerations****Waste treatment methods**

<b>Disposal methods</b>	Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Dispose of waste product or used containers in accordance with local regulations
<b>Waste class</b>	08 04 09*

**MA2230/2245/2290 BLACK ACTIVATOR****14. Transport information****General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

**UN Number**

Not applicable.

**UN proper shipping name**

Not applicable.

**Transport hazard class(es)**

No transport warning sign required.

**Packing group**

Not applicable.

**Environmental hazards****Environmentally Hazardous Substance**

No.

**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**15. Regulatory information****16. Other information****Revision comments**

This is first issue.

**Revision date**

1/17/2018

**Revision**

0

**SDS No.**

20803

**Hazard statements in full**

H241 Heating may cause a fire or explosion.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H372 Causes damage to organs (Kidneys) through prolonged or repeated exposure if swallowed.

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.