



SAFETY DATA SHEET
MA2230/2245/2290 BLACK ACTIVATOR

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

1.1. Product identifier

Product name MA2230/2245/2290 BLACK ACTIVATOR

Product number 0735

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

Identified uses Adhesive.

Uses advised against Use only for intended applications.

1.3. 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

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 (EC 1272/2008)

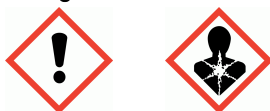
Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT RE 1 - H372

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

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.

MA2230/2245/2290 BLACK ACTIVATOR

Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</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>
Contains	DIBUTYL MALEATE, BENZOYL PEROXIDE
Supplementary precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</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>P337+P313 If eye irritation persists: 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>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIBUTYL MALEATE	25-35%
CAS number: 105-76-0	
Classification	
Skin Sens. 1 - H317	
BENZOYL PEROXIDE	5-15%
CAS number: 94-36-0	EC number: 202-327-6
Classification	
Org. Perox. B - H241	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	IF SWALLOWED: Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Immediately remove contaminated clothing. Continue to rinse for at least 15 minutes and get medical attention.
Eye contact	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.

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

MA2230/2245/2290 BLACK ACTIVATOR

Inhalation	May cause eye and respiratory system irritation. Vapours may cause drowsiness and dizziness. Vapours in high concentrations are anaesthetic.
Ingestion	May cause irritation. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Burning sensation in mouth.
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.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media Do not use water, if avoidable.

5.2. Special hazards arising from the substance or mixture

Specific hazards Avoid contact with oxidising agents.

5.3. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate area of unprotected personnel.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. 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.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Advice on general occupational hygiene Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

MA2230/2245/2290 BLACK ACTIVATOR

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).

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/m³

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

WEL = Workplace Exposure Limit

DIBUTYL MALEATE (CAS: 105-76-0)

DNEL

Workers - Inhalation; Long term systemic effects: 5.87 mg/m³

Workers - Inhalation; Short term systemic effects: 5.87 mg/m³

Workers - Inhalation; Long term local effects: 5.87 mg/m³

Workers - Dermal; Long term systemic effects: 0.42 mg/kg/day

Workers - Dermal; Short term systemic effects: 24.2 mg/kg/day

Workers - Dermal; Long term local effects: 4.12 mg/cm²

BENZOYL PEROXIDE (CAS: 94-36-0)

DNEL

Workers - Inhalation; Long term systemic effects: 11.75 mg/m³

Workers - Dermal; Long term systemic effects: 6.6 mg/kg/day

8.2. 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 European Standard EN166.

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 European Standard EN374.

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.

MA2230/2245/2290 BLACK ACTIVATOR

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 'CE'-marked. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Organic vapour filter. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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

9.2. Other information

Volatile organic compound	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Avoid contact with the following materials: Oxidising agents. Strong acids. Strong alkalis.
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10.2. Chemical stability

Stability	Unstable.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Avoid contact with acids and alkalis.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Oxidising agents. Avoid freezing. Avoid exposure to high temperatures or direct sunlight. Do not subject to friction.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

MA2230/2245/2290 BLACK ACTIVATOR

11.1. Information on toxicological effects

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

SECTION 12: Ecological Information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

Toxicity Not determined.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility Avoid releasing into the environment.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not determined.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Dispose of waste product or used containers in accordance with local regulations

Waste class 08 04 09*

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

Not applicable.

14.2. UN proper shipping name

Not applicable.

MA2230/2245/2290 BLACK ACTIVATOR**14.3. Transport hazard class(es)**

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

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).

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision comments	This is first issue.
Revision date	17/01/2018
Revision	0
SDS number	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.