

**Section 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product Identity** MXBON 11263**1.2. Relevant identified uses of the substance or mixture and uses advised against****Intended use** See Technical Data Sheet.**1.3. Details of the supplier of the safety data sheet****Company Name** Cartell Chemical Co., Ltd.  
No. 18 Cheng Gong Street,  
Ming Shyong Industrial Park,  
Chiayi Hsien, Taiwan**Customer Service: Cartell Chemical Co., Ltd.** 886-5-220-3715**1.4. Emergency telephone number****Emergency**  
**24 hour Emergency Telephone No.** 886-5-220-3715**Section 2. Hazard identification of the product****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

|                        |  |
|------------------------|--|
| Skin Irrit. 2;H315     | Causes skin irritation.                            |
| Eye Irrit. 2;H319      | Causes serious eye irritation.                     |
| Skin Sens. 1;H317      | May cause an allergic skin reaction.               |
| STOT SE 3;H335         | May cause respiratory irritation.                  |
| Aquatic Chronic 3;H412 | Harmful to aquatic life with long lasting effects. |

**2.2. Label elements****According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006****Warning**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

**[Prevention]:**

P233 Keep container tightly closed.  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, eye protection, face protection.

**[Response]:**

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340-GHS4 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 P312 Call a POISON CENTER, doctor or physician if you feel unwell.  
 P333+313 If skin irritation or a rash occurs: Get medical advice or attention.  
 P337+313 If eye irritation persists: Get medical advice or attention.  
 P362+364 Take off contaminated clothing and wash it before reuse.

**[Storage]:**

P403+233 Store in a well ventilated place. Keep container tightly closed.  
 P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

**2.3. Other hazards**

This product contains no PBT/vPvB chemicals.  
 This product contains no endocrine disrupting chemicals.

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| <b>Section 3. Composition/information on ingredients</b> |
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**3.2. Mixtures**

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS] (as amended by (EU) 2015/830 and REGULATION (EU) 2020/878), they are listed below.

| Ingredient/Chemical Designations  | Weight %   | Classification according to regulation EC No. 1272/2008*  | Notes                                    |
|---|------------|---|--|
| <b>Polyethylene glycol dimethacrylate</b><br>CAS Number: 25852-47-5<br>EC No. 607-819-8           | 50 - 75    | Skin Sens. 1;H317<br>Skin Irrit. 2;H315<br>Eye Irrit. 2;H319<br>STOT SE 3;H335<br>Aquatic Chronic 3;H412  | Chronic M-Factor: 1                      |
| <b>Cumene hydroperoxide</b><br>CAS Number: 80-15-9<br>EC No. 201-254-7<br>Index No.: 617-002-00-8 | 0.10 - 1.0 | Org. Perox. E;H242<br>Acute Tox. 3;H331<br>Acute Tox. 4;H312<br>Acute Tox. 4;H302<br>STOT RE 2;H373<br>Skin Corr. 1B;H314 C ≥ 10 %<br>Skin Irrit. 2;H315: 3 % ≤ C < 10 %<br>Eye Dam. 1;H318: 3 % ≤ C < 10 %<br>Eye Irrit. 2;H319: 1 % ≤ C < 3 %<br>STOT SE 3;H335: C < 10 %<br>Aquatic Chronic 2;H411 | Acute M-Factor: 1<br>Chronic M-Factor: 1 |

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| <b>Section 4. First aid measures</b> |
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**4.1. Description of first aid measures**
**General**

In all cases of doubt, or when symptoms persist, seek medical attention.  
 Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention.  
 Give nothing by mouth.

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| <b>Eye</b>   | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| <b>Skin</b>  | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.          |
| <b>Ingestion</b>   | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.                             |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b>                |  |
| <b>Overview</b>  | No specific symptom data available.<br>Treat symptomatically. See section 2 for further details.                   |
| <b>Inhalation</b>  | May cause respiratory irritation.  |
| <b>Eye</b>   | Causes serious eye irritation.   |
| <b>Skin</b>  | May cause an allergic skin reaction. Causes skin irritation.   |
| <b>4.3. Indication of any immediate medical attention and special treatment needed</b> |  |
| <b>Notes to physician</b>  | Treat symptomatically.   |

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

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

Hazardous decomposition: No hazardous decomposition data available.

Keep container tightly closed.

Avoid breathing dust, fume, gas, mist, vapors, spray.

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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## Section 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]:

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

Incompatible materials: No available information

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No available information

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| <b>Section 8. Exposure controls / personal protection</b> |
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**8.1. Control parameters**

| CAS No.    | Ingredient                         | Exposure |                      |
|------------|------------------------------------|----------|----------------------|
|            |                                    | Source   | Value                |
| 80-15-9    | Cumene hydroperoxide               | OSHA     | No Established Limit |
|            |                                    | ACGIH    | No Established Limit |
|            |                                    | NIOSH    | No Established Limit |
|            |                                    | National | No Established Limit |
| 25852-47-5 | Polyethylene glycol dimethacrylate | OSHA     | No Established Limit |
|            |                                    | ACGIH    | No Established Limit |
|            |                                    | NIOSH    | No Established Limit |
|            |                                    | National | No Established Limit |

**8.2. Exposure controls**

|                             |   |
|-----------------------------|---|
| <b>Respiratory</b>          | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.   |
| <b>Eyes</b>                 | Protective safety glasses recommended   |
| <b>Skin</b>                 | Avoid skin contact. Protective gloves recommended.  |
| <b>Engineering Controls</b> | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. |
| <b>Other Work Practices</b> | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.   |

See section 2 for further details. - [Prevention]:

There are no ingredients in this product which are classified as hazardous, and/or no hazardous ingredients above the GHS cut off percentage.

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| <b>Section 9. Physical and chemical properties</b> |
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**9.1. Information on basic physical and chemical properties**

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| <b>Appearance</b>                                      | Liquid, Red  |
| <b>Odor</b>  | Characteristic odor.   |
| <b>Odor threshold</b>                                  | No available information   |
| <b>pH</b>  | No available information   |
| <b>Melting point / freezing point</b>                  | No available information   |
| <b>Initial boiling point and boiling range</b>         | No available information   |
| <b>Flash Point</b>                                     | °F °C, Test method: (Open/Close cup)   |
| <b>Evaporation rate (Ether = 1)</b>                    | No available information   |
| <b>Flammability (solid, gas)</b>                       | No available information   |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> No available information<br><b>Upper Explosive Limit:</b> No available information |
| <b>Vapor pressure (Pa)</b>                             | No available information   |
| <b>Vapor Density</b>                                   | No available information   |
| <b>Relative Density</b>                                | See Technical Data Sheet.  |
| <b>Solubility in Water</b>                             | No available information   |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | No available information   |
| <b>Auto-ignition temperature</b>                       | No available information   |
| <b>Decomposition temperature</b>                       | No available information   |
| <b>Viscosity (cSt)</b>                                 | See Technical Data Sheet.  |

|                                |                          |
|--------------------------------|--------------------------|
| <b>Oxidising properties</b>    | No available information |
| <b>Explosive properties</b>    | No available information |
| <b>9.2. Other information</b>  |                          |
| No other relevant information. |                          |

### Section 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No available information

**10.4. Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**10.5. Incompatible materials**

No available information

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

### Section 11. Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient                                      | Oral LD50, mg/kg          | Skin LD50, mg/kg            | Inhalation Vapour LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm    |
|---|---------------------------|-----------------------------|----------------------------------|-------------------------------------|-----------------------------|
| Cumene hydroperoxide (80-15-9)                  | 382.00, Rat - Category: 4 | 0.126, Rabbit - Category: 1 | No data available                | No data available                   | 200.00, Mouse - Category: 2 |
| Polyethylene glycol dimethacrylate (25852-47-5) | No data available         | No data available           | No data available                | No data available                   | No data available           |

**Carcinogen Data**

| CAS No.    | Ingredient                         | Source | Value  |
|------------|------------------------------------|--------|--|
| 80-15-9    | Cumene hydroperoxide               | OSHA   | Regulated Carcinogen: No   |
|            |                                    | NTP    | Known: No; Suspected: No   |
|            |                                    | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|            |                                    | ACGIH  | No Established Limit   |
| 25852-47-5 | Polyethylene glycol dimethacrylate | OSHA   | Regulated Carcinogen: No   |
|            |                                    | NTP    | Known: No; Suspected: No   |
|            |                                    | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|            |                                    | ACGIH  | No Established Limit   |

| Classification              | Category | Hazard Description      |
|-----------------------------|----------|-------------------------|
| Acute toxicity (oral)       | ---      | ---                     |
| Acute toxicity (dermal)     | ---      | ---                     |
| Acute toxicity (inhalation) | ---      | ---                     |
| Skin corrosion/irritation   | 2        | Causes skin irritation. |

|                               |     |                                      |
|-------------------------------|-----|--------------------------------------|
| Serious eye damage/irritation | 2   | Causes serious eye irritation.       |
| Respiratory sensitization     | --- | ---                                  |
| Skin sensitization            | 1   | May cause an allergic skin reaction. |
| Germ cell mutagenicity        | --- | ---                                  |
| Carcinogenicity               | --- | ---                                  |
| Reproductive toxicity         | --- | ---                                  |
| STOT-single exposure          | 3   | May cause respiratory irritation.    |
| STOT-repeated exposure        | --- | ---                                  |
| Aspiration hazard             | --- | ---                                  |

**11.2 Information on other hazards**
**11.2.1. Endocrine disrupting properties**

This product contains no endocrine disrupting chemicals.

**Section 12. Ecological information**
**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

Toxic to aquatic life

**Aquatic Ecotoxicity**

| Ingredient  | 96 hr LC50 fish,<br>mg/L     | 48 hr EC50<br>crustacea,<br>mg/L | ErC50 algae,<br>mg/L                     | 3hr IC50<br>Bacteria<br>mg/L | Biodegradability<br>%        |
|---|------------------------------|----------------------------------|--|------------------------------|------------------------------|
| Cumene hydroperoxide<br>(80-15-9)                     | 3.90, Oncorhynchus<br>mykiss | 18.84, Daphnia<br>magna          | 3.10 (72 hr), Scenedesmus<br>subspicatus | > 50.00                      | Not readily<br>biodegradable |
| Polyethylene glycol<br>dimethacrylate<br>(25852-47-5) | ---                          | ---                              | ---                                      | ---                          | ---                          |

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

No available information

**12.4. Mobility in soil**

No available information

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

This product contains no PBT/vPvB chemicals.

**12.6 Endocrine disrupting properties**

This product contains no endocrine disrupting chemicals.

**12.7. Other adverse effects**

No available information

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

Observe all federal, state and local regulations when disposing of this substance.

**Section 14. Transport information**

|                        | ADR/RID       | IMO / IMDG (Ocean<br>Transportation) | ICAO/IATA     |
|------------------------|---------------|--------------------------------------|---------------|
| <b>14.1. UN number</b> | Not Regulated | Not Regulated                        | Not Regulated |

|  |   |   |  |
|--|---|---|--|
| <b>14.2. UN proper shipping name</b>   | Not Regulated   | Not Regulated   | Not Regulated  |
| <b>14.3. Transport hazard class(es)</b>  | <b>DOT Hazard Class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable |
| <b>14.4. Packing group</b>   | Not Applicable  | Not Applicable  | Not Applicable   |
| <b>14.5. Environmental hazards</b>   | Marine Pollutant: No;   |   |  |
| <b>14.6. Special precautions for user</b>  | No available information  |   |  |
| <b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not Applicable  |   |  |

### Section 15. Regulatory information

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

REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**National Legislation**

None noted.

**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out.

### Section 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H242 Heating may cause a fire.

H302 Harmful if swallowed.

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.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Not Applicable

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