

Section 1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product Identity** MXBON 11271**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.

Section 3. Composition/information on ingredients
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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
Polyethylene glycol dimethacrylate CAS Number: 25852-47-5 EC No. 607-819-8	50 - 75	Skin Sens. 1;H317 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Aquatic Chronic 3;H412	Chronic M-Factor: 1
Cumene hydroperoxide CAS Number: 80-15-9 EC No. 201-254-7 Index No.: 617-002-00-8	0.10 - 1.0	Org. Perox. E;H242 Acute Tox. 3;H331 Acute Tox. 4;H312 Acute Tox. 4;H302 STOT RE 2;H373 Skin Corr. 1B;H314 C ≥ 10 % Skin Irrit. 2;H315: 3 % ≤ C < 10 % Eye Dam. 1;H318: 3 % ≤ C < 10 % Eye Irrit. 2;H319: 1 % ≤ C < 3 % STOT SE 3;H335: C < 10 % Aquatic Chronic 2;H411	Acute M-Factor: 1 Chronic M-Factor: 1

Section 4. First aid measures

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.

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

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, 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

Section 8. Exposure controls / personal protection

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

Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Protective safety glasses recommended
Skin	Avoid skin contact. Protective gloves recommended.
Engineering Controls	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.
Other Work Practices	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.

Section 9. Physical and chemical properties
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9.1. Information on basic physical and chemical properties

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

Oxidising properties	No available information
Explosive properties	No available information
9.2. Other information	
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, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
Cumene hydroperoxide (80-15-9)	3.90, Oncorhynchus mykiss	18.84, Daphnia magna	3.10 (72 hr), Scenedesmus subspicatus	> 50.00	Not readily biodegradable
Polyethylene glycol dimethacrylate (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 Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated

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