

**1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product name : MXBON 21416

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

Relevant identified uses : Adhesives, binding agents

Uses advised against : No additional information available

**1.3 Details of the supplier of the safety data sheet**

Manufacturer : Cartell Chemical Co., LTD

Address : No. 18 Cheng Gong Street, Min-shyong Industrial Park, Chia-yi Hsien, (621) Taiwan

Tel : 886-5-220-3715

Fax : 886-5-220-3720

E-mail : sales@mxbon.com

**1.4 Emergency telephone number**

Tel : 886-5-220-3715

Fax : 886-5-220-3720

**2. Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Specific target organ toxicity — H335

Single exposure, Category 3, Respiratory tract irritation

**Full text of H statements : see section 16****Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS-07

Signal word (CLP) : Warning

Hazardous ingredients : Ethyl 2-cyanoacrylate

Hazard statements (CLP) :  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.Precautionary statements (CLP) :  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement (Response) [CLP] :	P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - 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 CENTRE or doctor if you feel unwell. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
Precautionary Statement (Storage) [CLP] :	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement (Disposal) [CLP] :	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. EUH208 - Contains HYDROQUINONE(123-31-9). May produce an allergic reaction.

**2.3 Other hazards**

No additional information available

**3. Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ETHYL-2-CYANOACRYLATE	(CAS No.) 7085-85-0 (EC No.) 230-391-5 (EC Index-No.) 607-236-00-9	70 - 100	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
HYDROQUINONE	(CAS No.) 123-31-9 (EC No.) 204-617-8 (EC Index-No.) 604-005-00-4	<= 0.1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 (M=10)

Specific concentration limits

Name	Product identifier	Specific concentration limits
ETHYL-2-CYANOACRYLATE	(CAS No.) 7085-85-0 (EC No.) 230-391-5 (EC Index-No.) 607-236-00-9	(C >= 10) STOT SE 3, H335

Full text of H-statements: see section 16

**4. First aid measures**

**4.1 Description of first aid measures**

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause respiratory irritation.  
Symptoms/effects after skin contact : Irritation.  
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically

**5. Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Hazardous decomposition products in case of fire : Toxic fumes may be released.

**5.3 Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus.  
Complete protective clothing.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**6.1.1 For non-emergency personnel**

Emergency procedures : Avoid breathing dust/fume/gas/mist/vapours/spray.

**6.1.2 For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment.

**6.2 Environmental precautions**

Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

**6.4 Reference to other sections**

For further information refer to section 13.

**7. For further information refer to section 13.**

**7.1 Precautions for safe handling**

Precautions for safe handling : Use only outdoors or in a well-ventilated area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Avoid contact with skin and eyes.  
Wear personal protective equipment.  
  
Hygiene measures : Wash contaminated clothing before reuse.  
Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions : Store locked up. Store in a well-ventilated place.  
Keep container tightly closed. Keep cool.

**7.3 Specific end use(s)**

No additional information available

**8. Exposure controls/personal protection**

**8.1 Control parameters**

**Ethyl Cyanoacrylate**

WEL TWA (mg/m <sup>3</sup> )	WEL STEL (mg/m <sup>3</sup> )	WEL STEL (ppm)	Regulatory reference
0.5 mg/m <sup>3</sup>	1.5 mg/m <sup>3</sup>	0.3 ppm	EH40/2005 (Third edition, 2018). HSE

**8.2 Exposure controls**

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

- Physical state : Liquid
- Appearance : Clear, colorless liquid
- Colour : Pale yellow
- Odour : sharp. Irritating
- Odour threshold : No data available
- pH : Not applicable
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : -22°C
- Freezing point : No data available
- Boiling point : > 200°C
- Flash point : 80-93.4°C (Method: Tag closed Cup)
- Auto-ignition temperature : 485°C
- Decomposition temperature : Not applicable
- Flammability (solid, gas) : Not applicable
- Vapour pressure : Less than 0.2 mmHg
- Relative vapour density at 20 °C : 3
- Relative density : 1.1 g/cm<sup>3</sup>
- Solubility : Polymerizes in presence of water
- Log Pow : Not applicable
- Viscosity, kinematic : No data available
- Viscosity, dynamic : 900~1500 cPs
- Explosive properties : Product is not explosive
- Oxidising properties : Product is not oxidizing
- Explosive limits : Product is not explosive

**9.2 Other information**

No additional information available

**10. Stability and reactivity**

**10.1 Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4 Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5 Incompatible materials**

No additional information available

**10.6 Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological information**

Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Causes skin irritation
Serious eye damage/irritation	:	Causes serious eye irritation
Respiratory or skin sensitisation	:	Causes serious eye irritation
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	May cause respiratory irritation
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

**12. Ecological information**

**12.1 Toxicity**

Ecology - general	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	:	Not classified
Chronic aquatic toxicity	:	Not classified

**12.2 Persistence and degradability**

No additional information available

**12.3 Bioaccumulative potential**

No additional information available

**12.4 Mobility in soil**

No additional information available

**12.5 Results of PBT and vPvB assessment**

No additional information available

**12.6 Other adverse effects**

No additional information available

**13. Disposal considerations**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions

**14. Transport information**

ADR	IMDG	IATA
<b>14.1 UN number</b>		
3334	3334	3334

**14.2 UN proper shipping name**

Not dangerous goods	Not dangerous goods	Aviation regulated liquid, n.o.s. (Cyanoacrylate)
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**14.3 Transport hazard class(es)**

Not applicable		
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**14.4 Packing group**

Not applicable	Not applicable	III
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**14.5 Environmental hazards**

Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
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**14.6 Special precautions for user**

**Overland transport (ADR)**

Transport regulations : Not subject  
Classification code : M11  
EAC code : 2Z

**Transport by sea (IMDG)**

Special provisions : 960  
Stowage category : None  
Properties and observations : Not subject to the provisions of this Code

**Air transport (IATA)**

PCA Excepted quantities E1  
PCA Limited quantities Y964  
PCA limited quantity max net quantity 30kg  
PCA packing instructions 964  
PCA max net quantity 100L  
CAO packing instructions 964  
CAO max net quantity 220L  
Special provisions A27  
ERG code 9A

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**15. Regulatory information**

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

**15.1.1 EU-Regulations**

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

**15.1.2 National regulations**

No additional information available

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out

**16. Other information**

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
EUH208	Contains HYDROQUINONE(123-31-9). May produce an allergic reaction.

Manufacturer: Cartell Chemical Co., LTD  
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.