

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

Product name : MXBON 21401

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

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1.4 Emergency telephone number

Tel : 886-5-220-3715

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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 — Single exposure, Category 3, Respiratory tract irritation | H335 |

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 ³) | WEL STEL (mg/m ³) | WEL STEL (ppm) | Regulatory reference |
|------------------------------|-------------------------------|----------------|--------------------------------------|
| 0.5 mg/m ³ | 1.5 mg/m ³ | 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/cm³
- Solubility : Polymerizes in presence of water
- Log Pow : Not applicable
- Viscosity, kinematic : No data available
- Viscosity, dynamic : 80~150 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 |
|-----------------------|------|------|
| 14.1 UN number | | |
| 3334 | 3334 | 3334 |

14.2 UN proper shipping name

| | | |
|---------------------|---------------------|--|
| Not dangerous goods | Not dangerous goods | Aviation regulated liquid, n.o.s. (Cyanoacrylate) |
|---------------------|---------------------|--|

14.3 Transport hazard class(es)

| | | |
|----------------|---|---|
| Not applicable |  |  |
|----------------|---|---|

14.4 Packing group

| | | |
|----------------|----------------|-----|
| Not applicable | Not applicable | III |
|----------------|----------------|-----|

14.5 Environmental hazards

| | | |
|------------------------------------|---|------------------------------------|
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
|------------------------------------|---|------------------------------------|

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. |

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Document editor: MacGyver Lee
Document create date: June 6, 2019

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.