

Issue date 15-Jun-2021

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Revision Number 1

## 1. Identification

**Product Name** ThreeBond 1721D

### Recommended use of the chemical and restrictions on use

**Recommended use** Adhesive, Sealant

### Details of the supplier of the safety data sheet

**Supplier** ThreeBond Fine Chemical Co., Ltd.  
1-1 Oyama-cho, Midori-ku, Sagami-hara-shi, Kanagawa 252-0146 Japan

**Emergency telephone number** +81-42-703-7126 (Inquiries regarding SDS)  
+81-42-670-5333 (Inquiries regarding product specifications)

## 2. Hazard(s) identification

### GHS - Classification

Acute toxicity - Oral	Classification not possible
Acute toxicity - Dermal	Classification not possible
Acute toxicity - Inhalation (Gases)	Classification not applicable
Acute toxicity - Inhalation (Vapors)	Classification not possible
Acute toxicity - Inhalation (Dusts/Mists)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Effects on or via lactation	No effects on or via lactation
Specific target organ toxicity (single exposure)	Classification not possible
Specific target organ toxicity (repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3
Ozone	Classification not possible

### GHS label elements

#### **Hazard statements**

H412 - Harmful to aquatic life with long lasting effects

#### **Precautionary statements**

##### **Prevention**

Avoid release to the environment.

##### **Response**

##### **Storage**

Not applicable.

##### **Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other hazards**

No information available.

**3. Composition/information on ingredients****Pure substance/mixture**

Mixture

Chemical name	CAS No	Weight-%	ENCS Number	ISHL No
Alkoxyalkyl cyanoacrylate	-	90-<99	-	-
Additive	-	1-<5	-	-

**Pollutant Release and Transfer Registry (PRTR)**

Not applicable

**Industrial Safety and Health Law**ISHL Notifiable Substances

Not applicable

Harmful Substances Whose Names Are to be Indicated on the Label

Not applicable

**Poisonous and Deleterious Substances Control Law**

Not applicable

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)**

Not applicable

**4. First-aid measures****In case of inhalation**

Remove to fresh air.

**In case of skin contact**

Soak skin in warm water. Gently remove material from skin.

**In case of eye contact**

Repeatedly wash with water. See doctor. Do not rub eye, nor use organic solvents, remover.

**In case of ingestion**

Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms/effects, acute and delayed**

No information available.

**Note to physicians**

Treat symptomatically.

**5. Fire-fighting measures****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

No information available.

<b>Special extinguishing media</b> <b>Large Fire</b>	Cool container with water spray. CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.
<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Handling

<b>Advice on safe handling</b>	Take equipment measures listed in Section 8. Wear protection gear.
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### Storage

<b>Storage Conditions</b>	Refer to technical data sheet or material agreement and other documents for storage temperature range.
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## 8. Exposure controls/personal protection

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
<b>Exposure guidelines</b>	Not applicable.
<b>Biological occupational exposure limits</b>	Not applicable
<b>Environmental exposure controls</b>	Install local ventilation or seal source of substances. Install safety shower, hand wash, and eye wash station. Clearly indicate the location.
<b><u>Personal protective equipment</u></b>	
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>Hand protection</b>	Wear appropriate protection glove (Made from non-permeable material such as polyethylene, rubber).

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protection apron, protection boots. Wear long sleeve cloth.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Color</b>	Transparent Light yellow
<b>Odor</b>	Slight odor

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	no data available	
<b>Boiling point / boiling range</b>	no data available	
<b>Flammability</b>	no data available	
<b>Upper/lower flammability or explosive limits</b>	no data available	
Upper flammability or explosive limits		
Lower flammability or explosive limits		
<b>Flash point</b>	95 °C	
<b>Autoignition temperature</b>	200 °C or above	
<b>Decomposition temperature</b>	no data available	
<b>pH</b>	no data available	
<b>Kinematic viscosity</b>	no data available	
<b>Dynamic viscosity</b>	5.5 mPa •s	
<b>Water solubility</b>	Slightly soluble	
<b>Solubility(ies)</b>	no data available	
<b>Partition Coefficient (n-octanol/water)</b>	no data available	
<b>Vapor pressure</b>	no data available	
<b>Relative vapor density</b>	no data available	
<b>Relative density</b>	1.07	
<b>Particle characteristics</b>		
Particle Size	no data available	
Particle Size Distribution	no data available	

## 10. Stability and reactivity

<b>Stability</b>	Rapid polymerization could occur.
<b>Possibility of hazardous reactions</b>	May cause rapid polymerization reaction by heat, high humidity, or direct sun light.
<b>Conditions to avoid</b>	Direct sunlight, High humidity, Heat.
<b>Incompatible materials</b>	Water, Bases.
<b>Hazardous decomposition products</b>	May generate harmful gas by incineration.

## 11. Toxicological information

**Acute toxicity**  
Classification not possible.

**Numerical measures of toxicity - Product Information**

<b>Symptoms</b>	No information available.
<b>Product Information</b>	
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.
<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Respiratory or skin sensitization</b>	Classification not possible.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met. Classification not possible.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met. Classification not possible.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects.
<b>Percentage for unknown hazards</b>	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.
<b>Persistence and degradability</b>	No information available.

<b>Bioaccumulation</b>	No information available.
<b>Mobility in soil</b>	No information available.
<b>Hazardous to the ozone layer</b>	Classification not possible. Based on available data, the classification criteria are not met.
<b>Other adverse effects</b>	No information available.

### 13. Disposal considerations

<b>Waste from residues/unused products</b>	Dispose of in accordance with national, state and local regulations. Consult industrial waste management companies for waste. Do not release this product to natural environment nor reclaim.
<b>Contaminated packaging</b>	Dispose containers as same as residual of this product.

### 14. Transport information

<b>IMDG</b>	Not regulated
<b>ADR</b>	Not regulated
<b>IATA</b>	Not regulated
<b>Japanese regulations</b>	Not regulated

### 15. Regulatory information

#### **National regulations**

##### **Pollutant Release and Transfer Registry (PRTR)**

Not applicable

##### **Industrial Safety and Health Law**

###### **ISHL Notifiable Substances**

Not applicable

##### **Poisonous and Deleterious Substances Control Law**

Not applicable

##### **Explosives Control Law**

Not applicable

##### **High Pressure Gas Safety Act**

Not applicable

##### **Fire Service Law:**

Flammable liquids, group 4, 3rd class petroleum, water-insoluble, hazard rank III, 2000 liters

##### **Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)**

Not applicable

##### **Ship (Marine Transportation) Safety Act**

See section 14 for more information

##### **Civil Aeronautics Act**

See section 14 for more information

### 16. Other information

**Revision Date** 15-Jun-2021

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA *	TWA (time-weighted average) Skin designation	Ceiling +	Maximum limit value Sensitizers
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**Key literature references and sources for data**

JIS Z 7252:2019 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)". JIS Z 7253:2019 Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS).

**Disclaimer**

This SDS complies with the requirements of JIS Z 7252:2019 and JIS Z 7253:2019 (Japan). The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.