ThreeBond

# SAFETY DATA SHEET

**Issue date** 15-Jul-2021 **Revision Date** 15-Jul-2021 **Revision Number** 1

## 1. Identification

**Product Name** ThreeBond 1530

**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, Sagamihara-shi, Kanagawa 252-0146 Japan

**Emergency telephone number** +81-42-703-7126 (Inquiries regarding SDS content)
+81-42-670-5333 (Inquiries regarding the product or SDS claim)

## 2. Hazard(s) identification

**GHS - Classification**
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

| | |
|---|---|
| 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 | Classification not possible |
| Chronic aquatic toxicity | Classification not possible |
| Ozone | Classification not possible |

**GHS label elements**

**Hazard statements**
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Prevention**
Not applicable.

**Response**
Not applicable.
**Storage**
Not applicable.
**Disposal**
Not applicable.

**Other hazards**

No information available.

## 3. Composition/information on ingredients

**Pure substance/mixture** Mixture

**Chemical nature** Methanol; Generated during polymerization reaction.

| Chemical name | CAS No | Weight-% | ENCS Number | ISHL No |
|---|---|---|---|---|
| Methyl alcohol | 67-56-1 | - | (2)-201 | (2)-201 |
| Organic tin compound | - | 1-<5 | - | - |
| Silyl-terminated resin | - | 50-<60 | - | - |
| Inorganic filler | - | 35-<45 | - | - |

**Pollutant Release and Transfer Registry (PRTR)**
Not applicable

**Industrial Safety and Health Law**
ISHL Notifiable Substances
ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

| Chemical name | CAS No | Category | Ordinance number |
|---|---|---|---|
| Organic tin compound | - | ISHL Notifiable Substances | 322 |

Harmful Substances Whose Names Are to be Indicated on the Label
Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57 and ISHL Ordinance Article 33)

| Chemical name | CAS No | Category | Ordinance number |
|---|---|---|---|
| Organic tin compound | - | Harmful Substances Whose Names Are to be Indicated on the Label | 322 |

**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** Wash skin with soap and water.

**In case of eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**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.

**Special extinguishing media**
**Large Fire** Cool container with water spray.
CAUTION: Use of water spray when fighting fire may be inefficient.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

**Handling**

**Advice on safe handling** Take equipment measures listed in Section 8. Wear protection gear.

**Storage**

**Storage Conditions** Refer to technical data sheet or material sgreement and other documents for storage temperature range.

## 8. Exposure controls/personal protection

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Exposure guidelines** Not applicable.

| Chemical name | Japan Society of Occupational Health | ISHL Working Environmental Evaluation Standards - Administrative Control Levels | ACGIH TLV |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Methyl alcohol<br>67-56-1 | TWA: 200 ppm<br>TWA: 260 mg/m³<br>Skin<br>ISHL/ACL: 200 ppm | 200ppm | STEL: 250 ppm<br>TWA: 200 ppm<br>S* |

**Biological occupational exposure limits** Not applicable

| Chemical name | Japan Society of Occupational Health | ACGIH |
|---|---|---|
| Methyl alcohol<br>67-56-1 | 20 mg/L - urine (Methanol) - end of shift | 15 mg/L - urine (Methanol) - end of shift |

**Environmental exposure controls** Install local ventilation or seal source of substances. Install safety shower, hand wash, and eye wash station. Clearly indicate the location.

**Personal protective equipment**

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

**Hand protection** Wear appropriate protection glove (Made from non-permeable material such as polyethylene, rubber).

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protection apron, protection boots. Wear long sleeve cloth.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Physical state** Solid
**Color** White
**Odor** Distinct odor

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Melting point / freezing point** | no data available | |
| **Boiling point / boiling range** | no data available | |
| **Flammability** | no data available | |
| **Upper/lower flammability or explosive limits** | no data available | |
| **Upper flammability or explosive limits** | | |
| **Lower flammability or explosive limits** | | |
| **Flash point** | Not flammable | |
| **Autoignition temperature** | no data available | |
| **Decomposition temperature** | no data available | |
| **pH** | no data available | |
| **Kinematic viscosity** | no data available | |
| **Dynamic viscosity** | 100 Pa・s | |
| **Water solubility** | Slightly soluble | |
| **Solubility(ies)** | no data available | |
| **Partition Coefficient (n-octanol/water)** | no data available | |
| **Vapor pressure** | no data available | |
| **Relative vapor density** | no data available | |
| **Relative density** | 1.39 | |
| **Particle characteristics** | | |
| **Particle Size** | no data available | |
| **Particle Size Distribution** | no data available | |

## 10. Stability and reactivity

**Stability** Stable under normal conditions.

**Possibility of hazardous reactions** React with moisture in air. Gradually release hazardous gas.

**Conditions to avoid** Heat, High humidity.

**Incompatible materials** No information available.

**Hazardous decomposition products** May generate harmful gas by incineration.

## 11. Toxicological information

**Acute toxicity**
Classification not possible.

**Numerical measures of toxicity - Product Information**

**The following values are calculated based on chapter 3.1 of the GHS document**
**ATEmix (dermal)** 16,739.70 mg/kg

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Methyl alcohol | = 6200 mg/kg ( Rat ) | = 15840 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h |

**Symptoms** No information available.

**Product Information**

**Ingestion** Specific test data for the substance or mixture is not available.

**Inhalation** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met. Classification not possible.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. Classification not possible.

**Respiratory or skin sensitization** Classification not possible.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met. Classification not possible.

**Carcinogenicity** Based on available data, the classification criteria are not met. Classification not possible.

**Reproductive toxicity** Based on available data, the classification criteria are not met. Classification not possible.

**Target organ effects** Eyes. Respiratory system. Skin.

**STOT - single exposure** Based on available data, the classification criteria are not met. Classification not possible.

**STOT - repeated exposure** Based on available data, the classification criteria are not met. Classification not possible.

**Aspiration hazard** Based on available data, the classification criteria are not met. Classification not possible.

## 12. Ecological information

**Ecotoxicity** Classification not possible.

**Percentage for unknown hazards** 0.01 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Methyl alcohol | - | LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus)<br>LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss)<br>LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss)<br>LC50: =28200mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, Pimephales promelas) | - |

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

| Chemical name | Partition coefficient |
|---|---|
| Methyl alcohol<br>67-56-1 | -0.77 |

**Mobility in soil** No information available.

**Hazardous to the ozone layer** Classification not possible. Based on available data, the classification criteria are not met.

**Other adverse effects** No information available.

## 13. Disposal considerations

**Waste from residues/unused products** Dispose of in accordance with national, state and local regulations. Consult industrial waste managent companies for waste. Do not release this product to natural environment nor reclaim.

**Contaminated packaging** Dispose containers as same as residual of this product.

## 14. Transport information

**IMDG** Not regulated

**ADR** Not regulated

**IATA** Not regulated

**Japanese regulations** Not regulated

## 15. Regulatory information

**National regulations**
**Pollutant Release and Transfer Registry (PRTR)**
Not applicable
**Industrial Safety and Health Law**

**Harmful Substances Whose Names Are to be Indicated on the Label**
Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57 and ISHL Ordinance Article 33)
**ISHL Notifiable Substances**
ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

**Poisonous and Deleterious Substances Control Law**
Not applicable
**Explosives Control Law**
Not applicable
**High Pressure Gas Safety Act**
Not applicable
**Fire Service Law:**
Non-hazardous material
**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-Jul-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) | Ceiling | Maximum limit value |
| * | Skin designation | + | Sensitizers |

**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.