

# Safety Data Sheet (SDS)

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Moldcare  
Manufacturer: ALCARE Co., Ltd.  
Division: Quality Assurance Division  
Address: 19F, Arcacentral Bldg., 1-2-1 Kinshi, Sumida-ku, Tokyo  
Phone number: +81-3-5611-7807  
FAX number: +81-3-5611-7825  
First Issue: December 25, 2015  
Revised Date: February 14, 2017  
Revision: 3

## 2. HAZARDS IDENTIFICATION

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The most important hazards

-Hazards: Skin contact of product content (resin and beads) may induce contact dermatitis

-Environmental Effects: Currently no information is available on biodegradation, accumulation, and aquatic life toxicity.

-Physical and chemical hazards: Care shall be given to fire because the product is flammable.

GHS category

- Acute toxicity (oral) Category 5

GHS label element

- Indication by image: None

- Word of caution: Warning

- Hazards information: Swallowing of product content may induce hazards.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Single substance or mixture: Mixture

Component:

| Component   | CAS No.   |
|---|-----------|
| Polyether-based urethane prepolymer with NCO group terminal | -         |
| Amine-based catalyst  | -         |
| Polystyrene   | 9003-53-6 |
| Polypropylene   | 9003-07-0 |
| Polyethylene terephthalate                                  | 2308-59-9 |

Hazardous component: Amine-based catalyst

(Second Class Monitoring Chemical Substance specified in the Law Concerning Examination and Regulation of Manufacturer, etc. of Chemical Substances)

Hazardous impurity: Not applicable

## 4. FIRST AID MEASURES

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Inhalation: Not applicable

Skin contact: Wipe off the attached content of product with cloth, etc., and then wash off the residual content with soap and plenty of water. If any symptom appears, apply medical attention.

Eye contact: Immediately rinse eyes (fully to rear side of eyelids) with clean water for more than 15 minutes, and then promptly apply medical attention when content of product get in eyes.

If swallowed: Induce vomiting immediately and apply medical attention as appropriate.

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## 5. FIRE-FIGHTING MEASURES

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|                             |  |
|-----------------------------|--|
| Fire extinguisher:          | Carbon dioxide, powder, foam, water spray  |
| Prohibited extinguisher:    | Water jet  |
| Fire fighting method:       | Cut off the combustion source to the firing place, and extinguish fire by adequate fire extinguisher. Spray water to surrounding facilities to cool them.                            |
| Protection of fire fighter: | Execute fire fighting from windward side as far as possible, and avoid inhalation of toxic gas. During fire fighting, wear appropriate protective gears (gloves, goggles, and mask). |

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## 6. ACCIDENTAL RELEASE MEASURES

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|   |   |
|---|---|
| Precautions for human:                              | On working to prevent release and to remove released product, wear protective gears (gloves, goggles, mask, etc.) |
| Precautions for environment:                        | Do not discharge the released product directly to river or sewage.  |
| Methods and equipment for containment and clean up: | Remove those that may become a nearby ignition source.  |

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## 7. HANDLING AND STORAGE

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|--------------------------------|--|
| Handling                       |  |
| -Technical measures:           | Secure full ventilation of the workplace, and wear adequate protect gears such as protective gloves to avoid direct contact with content of the product. Do not use the product without a cover. |
| -Precaution:                   | Avoid fire. Avoid contact with water.  |
| -Precautions in safe handling: | Avoid contact of product content with eyes and skin. After handling the product, fully wash hands, face, and other positions with soap and plenty of water, and gargle with water.               |
| Storage                        |  |
| -Proper storage:               | Store the product in a sealed container at a room with good ventilation.   |

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|   |  |
|---|--|
| Facility measures:                      | Not applied.   |
| Control concentration:                  | Not defined.   |
| Allowable concentration                 |  |
| - Japan Society of Occupational Health: | Not defined. (Cited Document 1 (2007 edition))                               |
| - ACGIH:                                | Not defined. (Cited Document 2 (2007 edition))                               |
| Protective gears                        |  |
| - For respiratory:                      | Not specifically needed in normal work.                                      |
| - For hands:                            | Impermeable protective gloves.   |
| - For eyes:                             | Protective eyeglasses with side plates or goggle type protective eyeglasses. |
| - For skin and body:                    | Long-sleeve working wear.  |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

(Properties of resin which is stuffed in a cover)

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|   |                       |
|---|-----------------------|
| Physical conditions   |                       |
| - Shape:  | Slurry                |
| - Color:  | Pale yellow (opaque)  |
| - Odor:   | Slight odor           |
| - pH:   | No data is available. |
| Specific temperature of varying the physical conditions/temperature range |                       |
| - Boiling point:  | No data is available. |

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|                           |   |
|---------------------------|---|
| - Melting point:          | No data is available.   |
| - Flash point:            | 213°C (COC)   |
| - Ignition point:         | No data is available.   |
| Explosion characteristics |   |
| - Explosion limit:        | No data is available.   |
| Specific gravity:         | Product (including polystyrene) approximately 0.09 (20°C); Resin approximately 1.1 (20°C) |
| Solubility                |   |
| -Solubility in water:     | Insoluble   |
| -Solubility in solvent:   | Soluble in acetone, toluene, and ethyl acetate.   |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| Stability:   | Chemically stable to light, heat, and impact under normal handling conditions.   |
| Possibility of hazardous reactions:                                      | Reacts with water and active hydrogen compounds such as alcohol.<br>Reacts with water to generate carbon dioxide, thus inducing foam to become resinous. |
| Conditions that should be avoided:                                       | Avoid contact with water except when in use.   |
| Substances with which contact or mixing may lead to hazardous situation: | None   |
| Hazardous decomposition products:  | None   |

## 11. TOXICOLOGICAL INFORMATION

|  |   |
|--|---|
| Acute toxicity:                                    | LD50 > 2,000 mg/kg (oral, rat, data of a similar product)                       |
| Skin corrosion and skin irritation:                | Irritates the skin  |
| Serious eye damage or eye irritation:              | No data is available.   |
| Respiratory sensitization or skin sensitization:   | No data is available.   |
| Carcinogenicity                                    |   |
| - Japan Society of Occupational Health:            | The ingredients of the product are not listed as carcinogen. (Cited Document 1) |
| - IARC:  | The ingredients of the product are not given on the IARC monograph.             |
| Germ cell mutagenicity:                            | No data is available.   |
| Reproductive toxicity:                             | No data is available.   |
| Specific target organ toxicity, single exposure:   | No data is available.   |
| Specific target organ toxicity, repeated exposure: | No data is available.   |
| Aspiration hazard:                                 | No data is available.   |

## 12. ECOLOGICAL INFORMATION

|                            |                       |
|----------------------------|-----------------------|
| Persistence/degradability: | No data is available. |
| Bioaccumulation potential: | No data is available. |
| Mobility in soil:          | No data is available. |
| Fish ecotoxicity           | No data is available. |
| Other:                     | No data is available. |

### 13. DISPOSAL CONSIDERATIONS

In accordance with the "Waste Management and Public Cleansing Law", consign an authorized industrial waste disposal firm or the local government.

### 14. TRANSPORT INFORMATION

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| United Nations classification:                             | Not applied in the classification standard of UN.  |
| United Nations number:                                     | Not applied in the classification standard of UN.  |
| Container grade:   | Not applied in the classification standard of UN.  |
| Domestic regulation in Japan                               |  |
| - Land transportation:                                     | Per the method for transportation specified by Fire Services Law, Industrial Safety and Health Law, etc.   |
| -Marine transportation:                                    | Per the method for transportation specified by Ship Safety Law.  |
| Specific safety measures and conditions on transportation: | Load the product containers not to topple down, drop, and damage them, and secure protection of collapse of cargo.<br>Do not leave the containers at a place of direct sunray and elevated temperatures. |

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### 15. REGULATORY INFORMATION

- Law Concerning Examination and Regulation of Manufacturer, etc. of Chemical Substances
  - Specified chemical substance: Not applied.
  - Monitoring chemical substance: Second class (amine-based substance)
- Industrial Safety and Health Law
  - Special chemicals regulation: Not applied.
  - Organic chemicals regulation: Not applied.
  - Indication substance (relating to the Law Section 57(1)): Not applied.
  - Notification substance (relating to the Law Section 57(2)(i)): Not applied.
  - Guideline and circular-notice substance (existing mutagenicity chemical substance, etc.): Not applied.
  - Indication substance via circular notice: Not applied.
  - Hazardous substances: Not applied.
  - Relating to Safety and Health Regulation Section 326: Not applied.
- Pollutant Release and Transfer Register Law (PRTR Law)
  - First class specified chemical substance: Not applied.
  - Second class specified chemical substance: Not applied.
- Fire Services Law
  - Dangerous substance: Not applied.
  - Specified flammable substance: Synthetic resin
- Poisonous and Deleterious Substances Control Law
  - Poisonous and deleterious substance: Not applied.
- Regulations for the Carriage and Storage of Hazardous materials
  - Dangerous goods: Flammable substance
- Law for the Prevention of Marine Pollution and Maritime Disasters
  - Marine pollutant: Not applied.
- Export Trade Control Oder
  - Regulated substance: Not applied.

- Overseas substance registration information
  - TSCA No.: Not applied.
  - EINECS No.: Not applied.
  - ECL No. (Korea): Not applied.
  - Existing chemical substance list (China): Not applied.

## 16. OTHER INFORMATION

- Cited Documents, etc.:
  - “Journal of Japan Society of Occupational Health” (July 2007), Japan Society of Occupational Health
  - “TLVs and BEIs” (2007) (ACGIH)
- Miscellaneous:
  - This datasheet is intended to provide information on the product, and we are not responsible for the descriptive contents thereof.
  - This datasheet provides information when handling and storage the product in a normally expected manner. If special handling and storage are to be performed, use the product after taking safety measures that are suitable to such handling and storage.
  - While this datasheet was prepared based on information available to us on the day it was created and before it was revised, the descriptive contents may be revised due to new findings or change in the regulations, etc.
  - Should you export a product in which this product is used, comply with relevant domestic and international laws for the export.