

# Safety Data Sheet

## 1. Identification of the product and of the company

### [Product information]

Product name : TS-C  
 General name : Dust Control Agent  
 Recommended application : Dust Control Treatment for Calcium Silicate Boards  
 And restrictions of use: Avoid use other than that recommended

### [Corporate information]

Company name : Japan Insulation Co., Ltd  
 Address : 4064-1, Azakitanuma, Nodashinden, Mizuho city, Gifu prefecture  
 Section in charge : Quality Control Section, Manufacturing Division  
 Telephone No. : +81-58-326-3221  
 FAX : +81-58-326-8982

## 2. Hazards identification

GHS classification: Classification as mixture

|                  |                                                                            |                             |
|------------------|----------------------------------------------------------------------------|-----------------------------|
| Physical Hazards | Explosives                                                                 | Classification not possible |
|                  | Flammable gases                                                            | No classification           |
|                  | Aerosols                                                                   | Classification not possible |
|                  | Chemicals under pressure                                                   | Classification not possible |
|                  | Oxidizing gases                                                            | No classification           |
|                  | Gas under pressure                                                         | No classification           |
|                  | Flammable liquids                                                          | Classification not possible |
|                  | Flammable solids                                                           | No classification           |
|                  | Self-reactive substance and mixtures                                       | Classification not possible |
|                  | Pyrophoric liquids                                                         | Classification not possible |
|                  | Pyrophoric solids                                                          | No classification           |
|                  | Self-heating substances and mixtures                                       | Classification not possible |
|                  | Substances and mixtures which, in contact with water, emit flammable gases | Classification not possible |
|                  | Oxidizing liquids                                                          | Classification not possible |
|                  | Oxidizing solids                                                           | No classification           |
|                  | Organic peroxides                                                          | Classification not possible |
|                  | Corrosive to metals                                                        | Classification not possible |
|                  | Desensitize explosives                                                     | Classification not possible |
| Health Hazards   | Acute toxicity (oral)                                                      | Classification not possible |
|                  | Acute toxicity (dermal)                                                    | Classification not possible |
|                  | Acute toxicity (Inhalation: Gases)                                         | No classification           |
|                  | Acute toxicity (Inhalation: Vapors)                                        | Classification not possible |
|                  | Acute toxicity (Inhalation: Dusts)                                         | Classification not possible |
|                  | Acute toxicity (Inhalation: 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 |
|                  | Specific target organ toxicity (single exposure)                           | Classification not possible |
|                  | Specific target organ toxicity (repeated exposure)                         | Classification not possible |
|                  | Aspiration hazard                                                          | Classification not possible |

|                       |                                                         |                             |
|-----------------------|---------------------------------------------------------|-----------------------------|
| Environmental Hazards | Hazardous to the aquatic environment Short-term(acute)  | Classification not possible |
|                       | Hazardous to the aquatic environment Long-term(chronic) | Classification not possible |
|                       | Hazardous to the ozone layer                            | Classification not possible |

**3. Composition/Information of ingredients**

Substance/Mixture: Mixture

GHS-based hazardous components: None

This product does not fall under formaldehyde releasing building material, so it is out of notified material. Hence, this product does not contain substances regulated by the Building Code such as chlorpyrifos and formaldehyde because these substances are not used as raw materials or in the process.

Furthermore, the chemical substances which are mentioned below are not used similarly to the product.

Toluene, Xylene, Paradichlorobenzene, Ethylbenzene, Styrene, Di-n-butyl phthalate, Tetradecane, Di-2-ethylhexyl phthalate, Diazinon, Acetic aldehyde, Fenobucarb, Other volatile organic compounds.

**4. First-aid measures**

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Inhalation:   | Move the person to fresh air and keep them at rest in a position comfortable for breathing. |
| Skin contact: | Wash the skin thoroughly with plenty of water.                                              |
| Eye contact:  | Rinse cautiously with water for several minutes.<br>Seek immediate medical attention.       |
| Ingestion:    | Get immediate medical advice/attention.                                                     |

**5. Fire-fighting measures**

|                                        |                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------|
| Suitable extinguishing media:          | Water spray, dry chemical powder, foam, carbon dioxide.                        |
| Unsuitable extinguishing media:        | No information available.                                                      |
| Fire hazard:                           | Non-combustible.                                                               |
| Protective equipment for firefighters: | Wear appropriate protective equipment. Use self-contained breathing apparatus. |

**6. Accidental Release Measures**

|                                                        |                                                                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Precautions for human health                           | Ventilate the spill area.                                                                                          |
| Emergency measures:                                    |                                                                                                                    |
| Protective equipment:                                  | Wear appropriate protective equipment.<br>For details, refer to Section 8 "Exposure Controls/Personal Protection." |
| Environmental precautions:                             | Avoid release to the environment. Prevent entry into sewers and public waterways.                                  |
| Methods and materials for containment and cleaning up: | Absorb the spilled liquid with an appropriate absorbent material.                                                  |

**7. Handling and Storage**

[Precautions on handling]

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures:        | No information available.                                                                                                                                                                                                                   |
| Safe handling precautions: | Do not drop, overturn, drag, or apply impact to the container.<br>Ensure adequate ventilation and keep dust and/or vapor concentrations to a minimum.<br>Avoid contact with skin, eyes, or clothing.<br>Wear personal protective equipment. |

[Conditions for safe storage]

|                                             |                                                                                                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Safe storage conditions:                    | Store in a well-ventilated place. Keep in a cool location.                                                     |
| Suitable container and packaging materials: | No information available.                                                                                      |
| Storage location:                           | Keep the container tightly closed and store in a cool, dark place.                                             |
| Storage temperature:                        | 0–40 °C<br>(Do not use the product once frozen, as its original properties may not be restored after thawing.) |

**8. Exposure Controls/Personal Protection**

[Engineering controls]

Ensure room exhaust and general ventilation.

[Personal protection equipment]

Dust protective mask

Wear appropriate respiratory protection if ventilation is insufficient.

Hand Protection

Protective gloves.

Eye and Face Protection

Safety goggles.

Skin and Body Protection

Wear appropriate protective clothing.

Environmental exposure controls

Avoid release to the environment.

## 9. Physical/Chemical Properties

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Physical state:                                           | Liquid                    |
| Color:                                                    | Colorless and transparent |
| Melting point:                                            | Lack of data.             |
| Freezing point:                                           | Lack of data.             |
| Odor:                                                     | Odorless                  |
| Boiling Point or Initial Boiling Point and Boiling Range: | Lack of data.             |
| Flammability:                                             | Lack of data.             |
| Lower and Upper Explosion Limit /Flammable Limits         |                           |
| (Approximate volume % in air):                            | Lack of data.             |
| Flash point:                                              | Lack of data.             |
| Auto-ignition Temperature:                                | Lack of data.             |
| Decomposition Temperature:                                | Lack of data.             |
| pH:                                                       | Around 9                  |
| Kinematic Viscosity:                                      | Lack of data.             |
| Solubility:                                               | Lack of data.             |
| Vapor Pressure:                                           | Lack of data.             |
| density:                                                  | Lack of data.             |
| Relative Vapour Density (Air = 1):                        | Lack of data.             |
| Particle Characteristics:                                 | Lack of data.             |

## 10. Stability and Reactivity

|                                     |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Reactivity:                         | Under normal conditions of use, storage, and transport, the product is not reactive.       |
| Chemical stability:                 | Stable under normal handling conditions.                                                   |
| Possibility of hazardous reactions: | No hazardous reactions are known under normal conditions of use.                           |
| Conditions to avoid:                | None under recommended storage and handling conditions (see Section 7).                    |
| Incompatible materials:             | No information available.                                                                  |
| Hazardous decomposition products:   | No hazardous decomposition products are generated under normal use and storage conditions. |

## 11. Toxicological Information

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| Acute toxicity (oral):               | Classification not possible due to lack of data. |
| Acute toxicity (dermal):             | Classification not possible due to lack of data. |
| Acute toxicity (inhalation: gas):    | No classification                                |
| Acute toxicity (inhalation: vapour): | Classification not possible due to lack of data. |
| Acute toxicity (inhalation: dust):   | Classification not possible due to lack of data. |

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Acute toxicity (inhalation: mist): | Classification not possible due to lack of data. |
| Skin corrosion/irritation:         | Classification not possible due to lack of data. |
| Serious eye damage/eye irritation: | Classification not possible due to lack of data. |
| Respiratory sensitization or       | Classification not possible due to lack of data. |
| Skin sensitization:                |                                                  |
| Germ cell mutagenicity:            | Classification not possible due to lack of data. |
| Carcinogenicity:                   | Classification not possible due to lack of data. |
| Reproductive toxicity:             | Classification not possible due to lack of data. |
| Specific target organ toxicity     | Classification not possible due to lack of data. |
| (single exposure):                 |                                                  |
| Specific target organ toxicity     | Classification not possible due to lack of data. |
| (repeated exposure):               |                                                  |
| Aspiration hazard:                 | Classification not possible due to lack of data. |

**12. Ecological information**

|                                                  |                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Ecological effects – general:                    | This substance is not considered harmful to aquatic organisms and is not expected to cause long-term adverse effects on the environment. |
| Hazardous to the aquatic environment (acute):    | Lack of data.                                                                                                                            |
| Hazardous to the aquatic environment(long-term): | Lack of data.                                                                                                                            |
| Persistence and degradability:                   | Lack of data.                                                                                                                            |
| Bioaccumulative potential:                       | Lack of data.                                                                                                                            |
| Mobility in soil:                                | Lack of data.                                                                                                                            |
| Hazardous to ozone layer:                        | Classification not possible                                                                                                              |

**13. Disposal Consideration**

Dispose of contents in accordance with relevant laws and local regulations.

If disposal is handled by an industrial waste contractor licensed by the prefectural governor, or by a local municipality that provides waste-processing services, entrust disposal to such authorized entities.

Ensure appropriate disposal in compliance with applicable laws and local government standards.

**14. Transport Information**

Be careful the dust of the product is not scattered by the damage of the package during transportation.

[International Regulations]

Maritime Regulatory Information (IMDG Code)

|                       |                 |
|-----------------------|-----------------|
| UN No.:               | Not applicable. |
| Proper shipping name: | Not applicable. |
| Class or division:    | Not applicable. |
| Packing group:        | Not applicable. |
| Marine pollutants:    | No.             |

Aviation Regulatory Information (ICAO TI / IATA DGR)

|                       |                 |
|-----------------------|-----------------|
| UN No.:               | Not applicable. |
| Proper shipping name: | Not applicable. |
| Class or division:    | Not applicable. |
| Packing group:        | Not applicable. |

[Japanese Regulations]

Other information: No supplementary information.

**15. Japanese Regulatory Information**

|                                                                                                                                                              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Industrial Safety and Health Law:                                                                                                                            | Not applicable |
| Law Concerning the Reporting of the Release into the Environment of Specific Chemical Substances and Promoting Improvements in Their Management. (PRTR Law): | Not applicable |

|                                                   |                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Poisonous and Deleterious Substances Control Law: | Not applicable                                                                                                                |
| Marine Pollution Prevention Act:                  | Non-hazardous substance (Enforcement Order, Supplementary Table 1-2).                                                         |
| Foreign Exchange and Foreign Trade Act:           | Export Trade Control Order, Supplementary Table 1, Item 16.                                                                   |
| Pneumoconiosis Act:                               | Work involving dust as specified in Article 2 of the Act and Supplementary Table of Article 2 of the Enforcement Regulations. |

**16. Other information**

[Reference]

- 1) Data based on the raw material SDS.
- 2) Chemical substances total information supplement system: National Institute of Technology and Evaluation (NITE).
- 3) JIS Z 7253: 2019 (Hazard communication of chemicals based on GHS – Labelling and Safety Data Sheet (SDS)).

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The information contained herein may be revised based on new knowledge.

Among the descriptions of this MSDS, the information such as the content and the physical/chemical properties does not represent a guarantee. Evaluation of hazards is prepared based on our material and data of the product available at the date of publishing, but it is not considered to be exhaustive.

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