



NIPPON TALC CO., LTD.

# Safety Data Sheet

Revision Date : Dec 21, 2023

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

BST、CTH-125H
--------------

Synonyms : Enstatite、Burnt TALC、Magnesium Silicate

REACH Registr. n° : Exempted in accordance with Annex V.7

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Functional mineral for use in industrial application

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

Company name : NIPPON TALC CO., LTD.

Address : 3-1-17, Saiwai-cho, Naniwa-ku, Osaka 556-0021, JAPAN

Phone No. : +81-6-6567-2735

Fax No. : +81-6-6567-2730

E-mail of responsible person for SDS : inquiry@nippon-talc.co.jp

### 1.4 Emergency telephone number

+81-6-6567-2735

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC1272/2008 and in Directive 67/548/EEC.

This product should be handled with care to avoid dust generation.

Classification EU (67/548/EEC) : No classification.

Regulation EC 1272/2008 : No classification.

### 2.2 Label elements

Pictogram : none

Signal Word : none

Hazard statement : none

Precautionary statements : none

### 2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Main constituent

Main constituent	CAS Number	EC Number	Amount
Enstataite (Magnesium silicate)	13776-74-4	237-413-2	80~90%
Silica (Silicon dioxide)	7631-86-9	7631-86-9	10~20%

This product does not contain detectable amounts of asbestos fibres as defined by the US Occupational Safety and Health Administration (OSHA) and the European Directive 83/477/EEC, when analysed by conventional methods. This statement is based upon verification by certified independent laboratories.

#### 3.2 Impurities

This product does not contain any classified impurity.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Inhalation

- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Get medical advice/attention if you feel unwell.

##### Skin Contact

- Wash with plenty of soap and water.
- If skin irritation occurs, get medical advice/attention.

##### Eye Contact

- Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do.
- If eye irritation persists, seek medical advice/attention.

##### Ingestion

- No specific first aid measures required. if irritation develops, seek medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust without toxic effects. These symptoms may include coughing, expectoration, sneezing, and difficulty in breathing due to upper respiratory tract irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

All extinguishing media can be used.

#### 5.2 Special hazards arising from the substance or mixture

The product is not flammable, combustible or explosive. No hazardous thermal decomposition.

#### 5.3 Advice for firefighters

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation.

### 6.2 Environmental Precautions

No special requirements.

### 6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems (with high-efficiency particulate air filter) to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

### 6.4 Reference to other sections

See sections 8 and 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Minimize dust generation and accumulation. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep the product dry and in closed containers. Store it in a cool and wellventilated space.

### 7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust).

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas.

Remove and wash soiled clothing.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection : Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to Mechanical irritation of the eye.

Skin protection : No specific requirement. For hands, see below.

Hand protection : Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.

Respiratory protection : In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

### 8.2.3 Environmental exposure controls

Avoid wind dispersal.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance : Solid(Powder form)

Color : White, off white to light grey

Odor : Odorless

pH : 8-10.5 (suspension 5wt% enstatite in water)

Melting point : > 1300°C

Initial boiling point and boiling rate : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : Non flammable

Upper/lower flammability or explosive limits : Not explosive. Limits do not apply

Vapour pressure : No data available

Vapour density : No data available

Relative density : 3 g/cm<sup>3</sup>

Solubility(ies) :

Solubility in water : negligible

Solubility in hydrofluoric acid : Yes

Partition coefficient: n-octanol/water : No data available

Auto-ignition Temperature : No data available

Decomposition temperature : > 1200°C

Explosive properties : Not explosive.

Oxidising properties : Non oxidizing

### 9.2 Other information

No other information.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Inert, not reactive.

### 10.2 Chemical Stability

Chemically stable.

### 10.3 Possibility of hazardous reactions

No hazardous reactions.

### 10.4 Conditions to Avoid

Not relevant

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous Decomposition Products

Not relevant.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : Based on available data, the classification criteria are not met.

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

Serious eye damage/irritation : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Based on available data, the classification criteria are not met

Carcinogenicity : Based on available data, the classification criteria are not met

Reproductive toxicity : No data are available on this product.

STOT-single exposure : Based on available data, the classification criteria are not met

STOT-repeated exposure : Based on available data, the classification criteria are not met

Aspiration hazard : Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available. No specific adverse effect known.

### 12.2 Persistence and degradability

No data available. Product is an inorganic substance and therefore is not considered biodegradable.

### 12.3 Bioaccumulative Potential

Not relevant.

### 12.4 Mobility in soil

Negligible.

### 12.5 Results of PBT and vPvB assessment

Not relevant.

### 12.6 Other Adverse effects

No specific adverse effects known.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal information

Waste from residues/unused products : Where possible, recycling is preferable to disposal.

Can be disposed of in compliance with local regulations.

Packaging : Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

Recycling and disposal of packaging should be carried out in compliance with local regulations.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

Not relevant.

### 14.2 UN proper shipping name

Not relevant

### 14.3 Transport hazard class(es)

ADR: Not classified.

IMDG: Not classified.

ICAO/IATA: Not classified.

RID: Not classified.

### 14.4 Packing group

Not relevant.

### 14.5 Environmental hazards

Not relevant.

### 14.6 Special precautions for user

No special precautions.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

### 14.8 transport information

Imo not regulated

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International legislation/requirements : Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. Contains silica requiring workplace environmental monitoring. Contains <1% silica.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under DSML.

Waste Management Law: Ensure to dispose of in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws :

The following inventories have been investigated as to the publicly available portion of the lists:

Mineral	CAS No.	EINECS (EU)	AICS (Australia)	CEPA(DSL/NDSL) (Canada)	KECI (Korea)	ENCS/ISHL (Japan)
Enstatite	13776-74-4	237-413-2	Yes	Yes(DSL)	KE-22746	Yes*
Silica	7631-86-9	7631-86-9	Yes	Yes(DSL)	KE-31032	Yes*

Mineral	IECSC (China)	CSNN (Taiwan)	TSCA (USA)	PICCS (Philippines)	NZloC (New Zealand)
Enstatite	Yes	Yes	Yes	Yes	Yes
Silica	Yes	Yes	Yes	Yes	Yes

Yes\*: There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

### 15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

## 16. OTHER INFORMATION

Date are based on our latest knowledge but do not constitute a guarantee for any specific product Features and do not establish a legally valid contractual relationship.

### 16.1 Revision

The SDS has been revised to comply with Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of REACH.