

# Safety Data Sheet



NIPPON TALC CO., LTD.

Date of issue : Feb/14/2025

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name

NANO ACE (D-600, D-800, D-1000), FG-15, SG-2000, SG-200, SG-200N15, SG-95, MICRO ACE (P-2, P-3, P-4, P-6, P-8, K-1, L-1, RA-2, RA-3, PAOG-2, PAOG-3, PC-25, PC-25RC, RA-3RC), MS, MS-P, MS-K, SWE, RA, RA-K15, PA-OG, PAOG-R, MS-KY, ROSE TALC, LU-2, LU-J1, LU-V, LU-R

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

Relevant identified uses of the product: Functional mineral for use in industrial application

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

Manufacturer/Supplier: NIPPON TALC CO.,LTD.

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

Division: QUALITY ADMINISTRATION DEPT.

Telephone number: +81-6-6567-2735

FAX: +81-6-6567-2730

### 1.4 Emergency telephone number

+81-6-6567-2735

## Section 2. Hazards identification

### GHS classification and label elements of the product

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]

Not classified/Classification not possible

#### 2.2 Label elements

Labelling according to Regulation (EC) No.1272/2008 [CLP]

No GHS label element

No Signal word

#### 2.3 Other hazards

The product does not contain any ingredient designated as PBT and/or vPvB.

The product does not contain any ingredients designated as Endocrine disrupting properties.

## Section 3. Composition/information on ingredients

Mixture/Substance selection: Substance

Ingredient name	CAS No.	Content (%)
Classification according to REGULATION (EC) No.1272/2008	EC No.	
Talc (Hydrous magnesium silicate)	14807-96-6 238-877-9	≥ 95
Chlorite	1318-59-8 215-285-9	< 4
Dolomite	16389-88-1 240-440-2	< 2
Magnesite	546-93-0 208-915-9	< 2

\*Contains &lt; 1% Silica

Note : The figures shown above are not the specifications of the product.

### Components contributing to the hazard

The product does not contain any ingredients listed in REACH SVHC candidate list.

Full text of classifications and hazard statements: see section 16

**Section 4. First-aid measures****4.1 Descriptions of first-aid measures**

## IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

## IF ON SKIN (or hair)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

## IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

## IF SWALLOWED

Rinse mouth.

Call a POISON CENTER/doctor/physician if you feel unwell.

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

Symptoms when inhalation or ingestion

Coughing, Expectorations, Sneezing, Difficulty in breathing

**4.3 Protective measures for first aid**

Protect yourself by wearing rubber gloves and air-tight safety goggles.

**4.4 Indication of any immediate medical attention and special treatment needed**

Information on indication of any immediate medical attention and special treatment needed is not available.

**Section 5. Fire-fighting measures****5.1 Extinguishing media**

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

**5.2 Specific hazards arising from the substance or mixture**

Specific hazards arising from the substance or mixture is not available.

**5.3 Advice for firefighters**

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Extinguish from the windward to the extent possible.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure mode.

**Section 6. Accidental release measures****6.1 Personnel precautions, protective equipment and emergency procedures**

Keep unauthorized personnel away.

Ventilate area until material pick up is complete.

Wear proper protective equipment.

**6.2 Environmental precautions**

Prevent spills from entering sewers, watercourses or low areas.

Do not wash away into sewers or waterway.

Avoid raising dust.

**6.3 Methods and materials for containment and cleaning up**

Sweep up, place in a bag and hold for waste disposal.

Fill the disposal into labelled, closable containers.

Moisten with water to reduce dust and its dispersion.

Vacuum only with high efficiency HEPA filtered equipment and collect in a container.

**6.4 Reference to other sections**

Refer to section 8

Refer to section 13

## **Section 7. Handling and storage**

### **7.1 Precautions for safe handling**

#### Preventive measures

Exposure Control for handling personnel	Avoid breathing dust.
Exhaust/ventilator	Exhaust/ventilator should be available.
Safety treatments	Avoid contact with skin.
	Avoid contact with eyes.
	Prevent generation and deposition of dust.

#### Safety Measures

- Use only outdoors or in a well-ventilated area.
- Use personal protective equipment as required.

Any incompatibilities data is not available.

#### Advice on general occupational hygiene

- Do not get in eyes, on skin, or on clothing.
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Wash hands thoroughly after handling.

### **7.2 Storage**

#### Conditions for safe storage

- Store in a well-ventilated place.
- Keep container tightly closed.
- Keep cool. Protect from sunlight.
- Store in a dry place.

Container and packaging materials for safe handling data is not available.

### **7.3 Specific end use(s)**

Functional mineral for use in cosmetic application

## **Section 8. Exposure controls/personal protection**

### **8.1 Control parameters**

#### Adopted value

#### ACGIH

(Talc (Hydrous magnesium silicate))

TWA: 2mg/m<sup>3</sup>(E, R)(Containing no asbestos fibers) (Pulm fibrosis; pulm func)

EU Occupational exposure limit values (Workplace Exposure limits) compliant to relevant EU

Directive through 91/332/EEC to 2019/1831/EU

Not established

#### Derived No-Effect Level (DNEL)

No DNELs available.

#### Predicted No-Effect Concentrations (PNEC)

No PNECs available.

### **8.2 Exposure controls**

#### Appropriate engineering controls

- Handle this material only in a totally enclosed system.
- Use in a location equipped with a general ventilation system or local exhaust ventilation system.
- Eye wash station should be available.
- Washing facilities should be available.

#### Individual protection measures

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Hand protection

Chemical protective gloves Recommended material(s): impermeable or chemical resistant rubber

##### Eye protection

Wear safety glasses with side-shields or chemical safety goggle.

##### Skin and body protection

Wear protective clothing.

**Section 9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Physical state: Solid (Powder)

Color: White

Odor: None

Odor threshold data is not available.

Melting point/Freezing point: > 1300°C

Boiling point or initial boiling point data is not available.

Boiling range data is not available.

Flammability (gases, liquids and solids): Non-flammable

Lower and upper explosion limit/flammability limit: Not applicable

Flash point: Non-flammable

Auto-ignition temperature: Not applicable

Decomposition temperature: > 1000°C

pH: 8 – 10 (suspension 5wt% talc in water)

Kinematic viscosity data is not available.

Solubility: Solubility in water: Insoluble (Soluble in hydrofluoric acid)

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density: 2.7 – 2.8g/cm<sup>3</sup>

Relative vapor density (Air=1) data is not available.

Particle characteristics data is not available.

**9.2 Other information**

Other information is not available.

**Section 10. Stability and Reactivity****10.1 Reactivity**

Reactivity data is not available.

**10.2 Chemical stability**

Stable under normal storage/handling conditions.

**10.3 Possibility of hazardous reactions**

Possibility of hazardous reactions data is not available.

**10.4 Conditions to avoid**

Conditions to avoid data is not available.

**10.5 Incompatible materials**

Incompatible materials data is not available.

**10.6 Hazardous decomposition**

Hazardous decomposition products data is not available.

**Section 11. Toxicological Information****11.1 Information on toxicological effects**

Acute toxicity

Acute toxicity (Oral)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Dermal)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Acute toxicity (Inhalation)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Irritant properties

Skin corrosion/irritation

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Serious eye damage/irritation

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Sensitization

Respiratory sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Skin sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Germ cell mutagenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Carcinogenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

[IARC]

Talc (Hydrous magnesium silicate)

Group 2A : Possibly carcinogenic to humans

[ACGIH]

Talc (Hydrous magnesium silicate)

A4: Not Classifiable as a Human Carcinogen

(Containing no asbestos fibers)

## Reproductive toxicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Specific target organ toxicity (STOT)

STOT-single exposure

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

STOT-repeated exposure

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Aspiration hazard

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

### 11.2 Information on other hazards

Endocrine disrupting properties

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

## Section 12. Ecological Information

### 12.1 Toxicity

Aquatic toxicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Water solubility

(Talc (Hydrous magnesium silicate))

none (source: ICSC, 2012)

(Magnesite)

0.01 g/100 mL (20°C) (source: ICSC, 2010)

### 12.2 Persistence and degradability

Persistence and degradability data is not available.

### 12.3 Bioaccumulative potential

Bioaccumulative potential data is not available.

### 12.4 Mobility in soil

Mobility in soil data is not available.

### 12.5 Results of PBT and vPvB assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

### 12.6 Endocrine disrupting properties

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

### 12.7 Other adverse effects

Results of PMT and vPvM assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Hazards to the ozone layer

Ozone depleting chemical data is not available.

## Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Dispose to an authorized waste collection point.

Do not dump into sewers, on the ground or into any body of water.

**13.2 Contaminated packing**

Dispose of container after using the contents completely.

**Section 14. Transport Information****UN No., UN CLASS**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**RID (Regulation concerning the International Carriage of Dangerous goods by Rail)**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**IMDG Code (International Maritime Dangerous Goods Regulations)**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**IATA (Dangerous Goods Regulations)**

- 14.1 UN Number or ID Number : Not regulated
- 14.2 UN Proper Shipping Name : Not regulated
- 14.3 Class or division (Transport hazard class) : Not regulated
- 14.4 Packing group : Not regulated

**14.5 Environmental hazards**

Marine pollutants (yes/no) : no

**14.6 Special precautions for user**

Special precautions for user is not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable to Transport in bulk according to Annex II of MARPOL and the IBC Code  
MARPOL Annex V – HME (Harmful to the Marine Environment)  
Not applicable to Maritime transport in bulk according to IMO instruments.

**Section 15. Regulatory Information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The product does not contain any ingredients listed in REACH SVHC candidate list.

Other information is not available.

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

**15.2 Chemical safety assessment**

Advice on safe handling for this product can be found in sections 7 and 8 of this SDS.

**Section 16. Other information**

GHS classification and labelling

Not classified/Classification not possible

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN

IMDG Code, 2024 Edition (Incorporating Amendment 42-24)

IATA Dangerous Goods Regulations (66th Edition) 2025

ADR (2025), ADN (2025), RID (2025)

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2023/1434

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2025 TLVs and BEIs. (ACGIH)

Supplier's data/information

GESTIS-Stoffdatenbank

Pub Chem (OPEN CHEMISTRY DATABASE)

Abbreviations and acronyms

ACGIH – American Conference of Governmental Industrial Hygienists; ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road; ATE – Acute Toxicity Estimate; BCF – Bioconcentration Factor; BOD – Biochemical Oxygen Demand; Cat. – Category; Ceiling-C – Ceiling value; CLP – Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures; COD – Chemical Oxygen Demand; DSEN – Dermal Sensitization; EC No. – The European Community number; EC50 – Effective Concentration 50; EU – European Union; GHS – Globally Harmonized System of Classification and Labelling of Chemicals; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IMDG Code – International Maritime Dangerous Goods Code; LC50 – Lethal Concentration 50; LD50 – Lethal Dose 50; logPow – n-Octanol/water Partition Coefficient; LTEL – eight-hour time weighted average; MARPOL – International Convention for the Prevention of Pollution from Ships; M-factor – Multiplying factors; NOEC – No Observed Effect Concentration; NTP – National Toxicology Program; PBT – Persistent, Bioaccumulative and Toxic substances; REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No.1907/2006; RID – Regulation concerning the International Carriage of Dangerous goods by Rail; RSEN – Respiratory Sensitization; SCL – Specific Concentration Limit; Skin – Danger of cutaneous absorption; STEL – Short-term Exposure Limit; STOT – Specific target organ toxicity; SVHC – Substance of Very High Concern; TWA – time-weighted average; UN – United Nations; vPvB – Very Persistent and very Bioaccumulative substances  
(E) – The value is for particulate matter containing no asbestos and < 1% crystalline silica.; (R) – Respirable particulate matter; see Appendix C, paragraph C.; func – function; pulm – pulmonary

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety. The GHS classification data given here is based on current EU official data (Consolidated version of the CLP Regulation published in 01/12/2023 and Commission delegated regulation (EU) 2024/197 (ATP21)).