

# SAFETY DATA SHEET

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

### Product identifier

Product Name correction tape

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Tape/Adhesive

Uses advised against No information available

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

Supplier Name PLUS Corporation

Supplier Address 12F, 4-1-28, Toranomom, Minato-ku  
Tokyo  
Tokyo  
105-0001  
JP

Supplier Phone Number Phone:+81-3-5860-7030

Supplier Email jhuang@plus.co.jp

### Emergency telephone number

Company Emergency Phone Number +81-90-9951-9050

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### GHS Label elements, including precautionary statements

### Emergency Overview



The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Green

**Physical state** Solid

**Odor** Odorless

**Precautionary Statements - Prevention**

Obtain special instructions before use

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

44.6038% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Toxic to aquatic life with long lasting effects

**Interactions with Other Chemicals**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                          | CAS No      | Weight-% | Trade Secret |
|--|-------------|----------|--------------|
| Titanium dioxide                       | 13463-67-7  | 30 - 60  | *            |
| Magnesium carbonate                    | 546-93-0    | 10 - 30  | *            |
| Silicon dioxide                        | 7631-86-9   | 1 - 5    | *            |
| Third Party Formulation (TP # 1244538) | Proprietary | 1 - 5    | *            |
| Third Party Formulation (TP # 1244538) | Proprietary | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures**

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin contact**

Wash with soap and water.



|            |   |
|------------|---|
| Inhalation | Remove to fresh air.  |
| Ingestion  | Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. |

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

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** 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**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**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.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

| Chemical Name                          | ACGIH TLV                 | OSHA PEL   | NIOSH IDLH   |
|--|---------------------------|--|--|
| Titanium dioxide<br>13463-67-7         | TWA: 10 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust   | IDLH: 5000 mg/m <sup>3</sup>   |
| Magnesium carbonate<br>546-93-0        | -                         | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust |
| Silicon dioxide<br>7631-86-9           | 10 mg/m <sup>3</sup>      | 20 mppcf TWA; ((80)/(% SiO <sub>2</sub> ))<br>mg/m <sup>3</sup> )  | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>                         |
| Third Party Formulation (TP # 1244538) | -                         | TWA: 20 mppcf<br>: (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA  | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>                         |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

#### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Solid                    | <b>Odor</b>           | Odorless                 |
| <b>Appearance</b>     | Green                    | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks</u> | <u>Method</u> |
|--|-------------------|----------------|---------------|
| pH                                     | No data available | None known     |               |
| Melting / freezing point               | No data available | None known     |               |
| Boiling point / boiling range          | No data available | None known     |               |
| Flash Point                            | No data available | None known     |               |
| Evaporation Rate                       | No data available | None known     |               |
| Flammability (solid, gas)              | No data available | None known     |               |
| Flammability Limit in Air              |                   |                |               |
| Upper flammability limit               | No data available |                |               |
| Lower flammability limit               | No data available |                |               |
| Vapor pressure                         | No data available | None known     |               |
| Vapor density                          | No data available | None known     |               |
| Specific Gravity                       | No data available | None known     |               |
| Water Solubility                       | Negligible        | None known     |               |
| Solubility in other solvents           | No data available | None known     |               |
| Partition coefficient: n-octanol/water | No data available | None known     |               |
| Autoignition temperature               | No data available | None known     |               |
| Decomposition temperature              | No data available | None known     |               |
| Kinematic viscosity                    | No data available | None known     |               |
| Dynamic viscosity                      | No data available | None known     |               |
| Explosive properties                   | No data available |                |               |
| Oxidizing properties                   | No data available |                |               |

### Other Information

|                        |                   |
|------------------------|-------------------|
| <b>Softening Point</b> | No data available |
| <b>VOC Content (%)</b> | No data available |
| <b>Particle Size</b>   | No data available |



**Particle Size Distribution****10. STABILITY AND REACTIVITY****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. |

**Component Information**

| <b>Chemical Name</b>                      | <b>Oral LD50</b>      | <b>Dermal LD50</b>      | <b>Inhalation LC50</b> |
|---|-----------------------|-------------------------|------------------------|
| Titanium dioxide<br>13463-67-7            | > 10000 mg/kg ( Rat ) | -                       | -                      |
| Silicon dioxide<br>7631-86-9              | > 5000 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | > 2.2 mg/L ( Rat ) 1 h |
| Third Party Formulation (TP #<br>1244538) | > 5000 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | > 2.2 mg/L ( Rat ) 1 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide which is classified as an IARC 2B carcinogen based on laboratory studies where animals were exposed to titanium dioxide dust. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product.

| Chemical Name                             | ACGIH | IARC     | NTP | OSHA |
|---|-------|----------|-----|------|
| Titanium dioxide<br>13463-67-7            |       | Group 2B |     | X    |
| Silicon dioxide<br>7631-86-9              |       | Group 3  |     |      |
| Third Party Formulation (TP<br># 1244538) |       | Group 3  |     |      |

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Chronic Toxicity**

No known effect based on information supplied.

**Target Organ Effects**

Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Lungs.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

10,720.00 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

| Chemical Name                             | Toxicity to Algae   | Toxicity to Fish                             | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|---|--|----------------------------|----------------------------|
| Silicon dioxide<br>7631-86-9              | 72h EC50: = 440 mg/L<br>(Pseudokirchneriella subcapitata) | 96h LC50: = 5000 mg/L<br>(Brachydanio rerio) |                            | 48h EC50: = 7600 mg/L      |
| Third Party Formulation (TP<br># 1244538) | 72h EC50: = 440 mg/L<br>(Pseudokirchneriella subcapitata) | 96h LC50: = 5000 mg/L<br>(Brachydanio rerio) |                            | 48h EC50: = 7600 mg/L      |

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### **Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

#### **California Hazardous Waste Codes 281**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

### DOT

Proper Shipping Name  
Hazard Class

NOT REGULATED  
NON REGULATED  
N/A

### TDG

Not regulated

### MEX

Not regulated

### ICAO

Not regulated

### IATA

Not regulated





|                             |               |
|-----------------------------|---------------|
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>Hazard Class</b>         | N/A           |
| <b>IMDG/IMO</b>             | Not regulated |
| <b>Hazard Class</b>         | N/A           |
| <b>RID</b>                  | Not regulated |
| <b>ADR</b>                  | Not regulated |
| <b>ADN</b>                  | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|      |  |
|------|--|
| TSCA | Complies   |
| DSL  | All components are listed either on the DSL or NDSL. |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| Titanium dioxide - 13463-67-7 | Carcinogen                |

#### **U.S. State Right-to-Know Regulations**

| Chemical Name                  | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--------------------------------|------------|---------------|--------------|--------------|----------|
| Titanium dioxide<br>13463-67-7 | X          | X             | X            |              |          |
| Magnesium carbonate            | X          | X             |              |              |          |



|  |  |   |  |   |
|--|--|---|--|---|
| 546-93-0                               |  |   |  |   |
| Third Party Formulation (TP # 1244538) |  | X |  | X |

### International Regulations

#### Mexico

##### National occupational exposure limits

| Component                                   | Carcinogen Status | Exposure Limits   |
|---|-------------------|---|
| Titanium dioxide<br>13463-67-7 ( 30 - 60 )  |                   | Mexico: TWA= 10 mg/m <sup>3</sup><br>Mexico: STEL= 20 mg/m <sup>3</sup> |
| Magnesium carbonate<br>546-93-0 ( 10 - 30 ) |                   | Mexico: TWA 10 mg/m <sup>3</sup><br>Mexico: STEL 20 mg/m <sup>3</sup>   |

Mexico - Occupational Exposure Limits - Carcinogens

#### Canada

##### WHMIS Hazard Class

Not determined

## 16. OTHER INFORMATION

|             |                         |                       |                          |  |
|-------------|-------------------------|-----------------------|--------------------------|--|
| <b>NFPA</b> | <b>Health Hazards</b> 1 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and Chemical Hazards -</b> |
| <b>HMIS</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal Protection</b>             |
|             |                         |                       |                          | X                                      |

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**Revision Note** No information available

#### Disclaimer

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

**End of Safety Data Sheet**