

# Safety Data Sheet

Talc

**CAROLINA<sup>®</sup>**  
www.carolina.com

## Section 1 Product Description

**Product Name:** Talc  
**Recommended Use:** Science education applications  
**Synonyms:** Talcum Powder, Baby Powder  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**WARNING**



Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer.

### GHS Classification:

Carcinogenicity Category 2, Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3, Acute Toxicity - Inhalation Dust / Mist Category 4

|                                                 |                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------|
| <b>Other Safety Precautions:</b>                | IF exposed or concerned: Get medical advice/attention.             |
| <b>Acute Toxicity Oral Contains</b>             | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| <b>Acute Toxicity Dermal Contains</b>           | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| <b>Acute Toxicity Inhalation Gas Contains</b>   | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| <b>Acute Toxicity Inhalation Vapor Contains</b> | 100 % of the mixture consists of ingredient(s) of unknown toxicity |

## Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> | <u>%</u> |
|----------------------|--------------|----------|
| Talc                 | 14807-96-6   | 100      |

## Section 4 First Aid Measures

### Emergency and First Aid Procedures

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Section 5 Firefighting Procedures

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.

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**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**Fire and/or Explosion Hazards:** None Known

**Hazardous Combustion Products:** Silicon dioxide, Metal Oxides,

## Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Evacuate the area promptly. Avoid breathing material. Reduce airborne dust and prevent scattering by moistening with water. Ventilate the area by opening door and/or turning on fans and blowers. Vacuum or sweep up material and place in a disposal container. Do not flush to sewer. Contain the discharged material.

## Section 7 Handling and Storage

**Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Avoid creating and inhaling dust.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Suitable for any general chemical storage.

**Storage Code:** Green - general chemical storage

## Section 8 Protection Information

| Chemical Name | ACGIH                                                                                                                              |        | OSHA PEL |        |
|---------------|------------------------------------------------------------------------------------------------------------------------------------|--------|----------|--------|
|               | (TWA)                                                                                                                              | (STEL) | (TWA)    | (STEL) |
| Talc          | 2 mg/m <sup>3</sup> TWA<br>(particulate matter<br>containing no<br>asbestos and <1%<br>crystalline silica,<br>respirable fraction) | N/A    | N/A      | N/A    |

### Control Parameters

**Engineering Measures:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Good general room ventilation should be sufficient to control airborne contaminants to safe levels.

**Personal Protective Equipment (PPE):** Not Normally Required

**Respiratory Protection:** No respiratory protection required under normal conditions of use. Conduct air monitoring to determine if airborne concentrations exceed an applicable exposure limit. NIOSH approved air purifying respirator with dust/mist filter.

**Respirator Type(s):** NIOSH approved air purifying respirator with dust/mist filter.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Nitrile

## Section 9 Physical Data

|                                                                                 |                                                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Formula:</b> H <sub>2</sub> Mg <sub>3</sub> (SiO <sub>3</sub> ) <sub>4</sub> | <b>Vapor Pressure:</b> N/A                          |
| <b>Molecular Weight:</b> 78.09 g/mol                                            | <b>Evaporation Rate (BuAc=1):</b> N/A               |
| <b>Appearance:</b> White to off-white Powder                                    | <b>Vapor Density (Air=1):</b> N/A                   |
| <b>Odor:</b> No data available                                                  | <b>Specific Gravity:</b> 2.7                        |
| <b>Odor Threshold:</b> No data available                                        | <b>Solubility in Water:</b> Practically Insoluble   |
| <b>pH:</b> No data available                                                    | <b>Log Pow (calculated):</b> No data available      |
| <b>Melting Point:</b> 800 C                                                     | <b>Autoignition Temperature:</b> No data available  |
| <b>Boiling Point:</b> No data available                                         | <b>Decomposition Temperature:</b> No data available |
| <b>Flash Point:</b> No data available                                           | <b>Viscosity:</b> No data available                 |
| <b>Flammable Limits in Air:</b> N/A                                             | <b>Percent Volatile by Volume:</b> 0%               |

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## Section 10

## Reactivity Data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Reactivity:                       | No data available               |
| Chemical Stability:               | Stable under normal conditions. |
| Conditions to Avoid:              | None known.                     |
| Incompatible Materials:           | Strong oxidizing agents         |
| Hazardous Decomposition Products: | Metal Oxides,, Silicon dioxide  |
| Hazardous Polymerization:         | Will not occur                  |

## Section 11

## Toxicity Data

|                   |                              |
|-------------------|------------------------------|
| Routes of Entry   | Inhalation and skin contact. |
| Symptoms (Acute): | Respiratory disorders        |
| Delayed Effects:  | No data available            |

### Acute Toxicity:

| Chemical Name     | CAS Number | Oral LD50      | Dermal LD50    | Inhalation LC50 |
|-------------------|------------|----------------|----------------|-----------------|
| No data available | 14807-96-6 | Not determined | Not determined | Not determined  |

### Carcinogenicity:

| Chemical Name     | CAS Number | IARC       | NTP        | OSHA       |
|-------------------|------------|------------|------------|------------|
| No data available | 14807-96-6 | Not listed | Not listed | Not listed |

### Chronic Effects:

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Mutagenicity:         | No evidence of a mutagenic effect.                  |
| Teratogenicity:       | No evidence of a teratogenic effect (birth defect). |
| Sensitization:        | No evidence of a sensitization effect.              |
| Reproductive:         | No evidence of negative reproductive effects.       |
| Target Organ Effects: |                                                     |
| Acute:                | See Section 2                                       |
| Chronic:              | Tumorigenic data cited.                             |

## Section 12

## Ecological Data

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Overview:              | This material is not expected to be harmful to the ecology. |
| Mobility:              | No data                                                     |
| Persistence:           | No data                                                     |
| Bioaccumulation:       | No data                                                     |
| Degradability:         | No data                                                     |
| Other Adverse Effects: | No data                                                     |

| Chemical Name | CAS Number | Eco Toxicity |
|---------------|------------|--------------|
| N/A           | 14807-96-6 |              |

## Section 13

## Disposal Information

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal Methods:       | Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. |
| Waste Disposal Code(s): | Not Determined                                                                                                                                        |

## Section 14

## Transport Information

|                                    |                                          |
|------------------------------------|------------------------------------------|
| Ground - DOT Proper Shipping Name: | Air - IATA Proper Shipping Name:         |
| Not Regulated                      | Not regulated for air transport by IATA. |

## Section 15

## Regulatory Information

|              |                                                           |
|--------------|-----------------------------------------------------------|
| TSCA Status: | All components in this product are on the TSCA Inventory. |
|--------------|-----------------------------------------------------------|

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| Chemical Name     | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|-------------------|------------|------------|----------|-----------|-----------|---------------|
| No data available | 14807-96-6 | No         | No       | No        | No        | No            |

## California Prop 65:

WARNING: This product contains a chemical known to the state of California to cause cancer.

## Section 16

## Additional Information

Revised: 09/03/2014

Replaces: 08/27/2014

Printed: 09-11-2014

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

### Glossary

|        |                                                                       |      |                                               |
|--------|-----------------------------------------------------------------------|------|-----------------------------------------------|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available                                                         | SARA | Superfund Amendments and Reauthorization Act  |
|        |                                                                       | TLV  | Threshold Limit Value                         |
|        |                                                                       | TSCA | Toxic Substances Control Act                  |
|        |                                                                       | IDLH | Immediately dangerous to life and health      |