



Materials Safety Data Sheet (MSDS) - Talcum Powder

Section 1: Chemical Product and Company Information

1.1. Product Identifiers

Product Name: Talcum Powder
Chemical name: Magnesium Silicate

Contact Information

Company details: TPS Pure, United Kingdom
Contact Number: +44

Section 2: Composition and Information on Ingredients

2.1. Substances

Product Identification: Talc Powder
Chemical Name: Magnesium Silicate
Chemical Formula: $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$
CAS no.: 14807-96-6
HS Code: 2526 20 00
Molecular Weight: 379.27 g/mol

Section 3: Hazards Identification

3.1. Potential Acute Health Effects

Not hazardous in case of skin contact. However, excessive exposure to the eyes may cause slight irritation.

3.2. Potential Chronic Health Effects

Carcinogenic Effects: A4 (Not classifiable for humans or animals) by ACGIH, 3 (Not classifiable for humans) by IARC. Mutagenic Effects: Not available.

3.3. Teratogenic Effects

This material substance is not Toxic.

Section 4: First Aid Measures

4.1. Eye Contact

In case of contact, flush your eyes with plenty of water. Get medical attention if irritation occurs.

4.2. Skin Contact

Not hazardous for the Skin

4.3. Serious Skin Contact

Not applicable

4.4. Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

4.5. Serious Inhalation

Not applicable

4.6. Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight closing such as a collar, tie, belt, or waistband. Rinse mouth with water.

4.7. Serious Ingestion

Not available

Section 5: Fire and Explosion Data

5.1. Flammability of the Product

Non-flammable

5.2. Auto-ignition Temperature

Not-applicable

5.3. Flash Points

Not-applicable

5.4. Flammable Limits

Not-applicable

5.5. Products of Combustion

Not available

5.6. Fire Hazards in the Presence of Various Substances

Not-applicable

5.7. Explosion Hazards in the Presence of Various Substances

Avoid **dust accumulation & ignition sources** in confined spaces.

5.8. Presence of Mechanical Impact

Not available

5.9. Presence of Static Discharge

Not available

5.10. Fire Fighting Media and Instructions

Water spray, dry chemical, foam, carbon dioxide (CO₂) – Use standard methods to control fire in the surrounding area.

5.11. Special Remarks on Fire Hazards

Not available

5.12. Special Remarks on Explosion Hazards

Not available

5.13. Advice for Firefighters

Wear a self-contained breathing apparatus for firefighting if necessary

Section 6: Accidental Release Measures

6.1. Small Spill

Use appropriate tools to put the spilt solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of it according to local and regional authority requirements.

6.2. Large Spill

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuation through the sanitary system. Be careful that the product is not present at a concentration level above.

Section 7: Handling and Storage

7.1. Precautions

Provide appropriate exhaust ventilation at places where dust is formed.

7.2. Storage

Prevent from moisture and direct sunlight. Keep the container tightly closed. Keep the container in a cool, well-ventilated area.

Section 8: Exposure Control/Personal Protection

8.1. Respiratory Protection

Exhaust Ventilation: use a dust mask when a package is opened.

8.2. Personal Protection

Rubber hand gloves, safety goggles, dust respirator, impervious clothing. Recommendations for personal protection are used in accordance with good industrial hygiene and safety practices.

8.3. Eye/Face Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 9: Physical and Chemical Properties

9.1. Properties

Powder

9.2. Appearance

Solid

9.3. Odor

Odourless

9.4. Taste

Not available

9.5. Molecular Weight

379.37 g/mol

9.6. Colour

White

9.7. pH

8-9 pH

9.8. Boiling Point

Not available

9.9. Melting Point

Not available

9.10. Oil absorption

30-50

9.11. Specific Gravity

Not available

9.12. Vapor Pressure

Not available

9.13. Vapor Density

Not available

9.14. Volatility

Not available

9.15. Density (gm/litter)

400

9.16. Solubility in water

Insoluble

9.17. Solubility in other Solvents

Insoluble in most solvents

9.18. Self-ignition temperature

No Data

9.19. Combustibility Explosion Limits

No Data Available

9.20. Flash Point

No available

Section 10: Stability and Reactivity

The product is stable. Not considered to be corrosive for metals or glass. Polymerisation will not occur.

Section 11: Toxicological Information

11.1. Routes of Entry

Inhalation. Ingestion

11.2. Toxicity to Animals

LD50: Not Available. LC50: Not Available.

11.3. Chronic Effects on Humans

Not available

11.4. Carcinogenic Effects

A4 (Not classifiable for humans or animals), by ACGIH, 3 (Not classifiable for human) by IARC. It may cause damage to the following organs: lungs.

11.5. Other Toxic Effects on Humans

Slightly hazardous in case of skin contact (possible irritant), inhalation or ingestion.

11.6. Special Remarks on Toxicity to Animals

Not available

11.7. Special remarks on chronic effects for humans

May cause cancer based on animal data. No human data has been found at this time.

Section 12: Ecological Information

12.1. Eco Toxicity

Not available

12.2. Products of Biodegradation

Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

12.3. Toxicity of the Products of Biodegradation

The product itself and its products of degradation are not toxic.

12.4. Special Remarks on the Products of Biodegradation

Not available

Section 13: Disposal Information

Waste must be disposed of in accordance with state, federal, and local environmental control regulations.

Section 14: Transport Information

14.1. DOT Classification

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

14.2. Identification

Not possible

14.3. Special Provisions for Transport

Not applicable/Not regulated

Section 15: Regulatory Information

15.1. OSHA

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

15.2. EINECTS

This product is on the European Inventory of Existing Commercial Chemical Substances

15.3. Personal Protection

15.4. Health

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15.5. Protective Equipment

Gloves. Lab Coat. Dust respirator. Be sure to use an approved/certified respirator or equivalents. Safety glasses.

Section 16: Other Information (05.02.2025)

This information above is accurate to the best of our knowledge and represents the best available information. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event should TPS Pure be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, or incidental, consequential or exemplary damages, howsoever arising, even if TPS Pure has been advised of the possibility of such damages.