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 Fine Talc, No1.Royal Exchange, London EC3V 3DG, United Kingdom

Contact Number: +44 (0) 208 0583570

Section 2: Composition and Information on Ingredients

2.1. Substances

Product Identification: Talc Powder

Chemical Name: Magnesium Silicate

Chemical Formula: $Mg_3Si_4O_{10}(OH)_2$

CAS No: 14807-96-6

HS Code: 2526 20 00 379.27

Molecular Weight: 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

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 (CO_2) – 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: Transport 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

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)

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