



Wisdom Toothbrushes Ltd  
Material Safety Data Sheet (MSDS)  
Toothbrushes and Interdental Products

**Scope**

This Material Safety Data Sheet (MSDS) covers the materials used in the following products:-

- Manual Toothbrushes
- Power Toothbrushes
- Rubber Interdental Brushes
- Wire Interdental Brushes
- Floss / Tape
- Flossers
- Denture Brushes / Baths / Boxes
- Dental Hygiene Kits

***1. Product and company identification***

**1.1 Product/compound identification**

- Chemical name:
  - Polypropylene
  - Polyester
  - Nylon 6:10, 6:12, 10:10, PBT
  - AISI 316 Stainless Steel
  - SEBS
  - ABS
  - POM
  - Thermoplastic Elastomer
  - Copper
  - Nickel Silver
  - Aluminium
- Trade name: Wisdom
- CAS number #: not available
- EINECS number: not available



#### 1.2 Use of the product/compound:

- Common household products used for dental hygiene

#### 1.3 Manufacturer identification

Company:	Wisdom Toothbrushes Ltd
Registered number:	2881666
Street, No.:	The Silk Mill, Colne Valley Road
Postal code:	CB9 8DT
Town/City:	Haverhill, Suffolk
Country:	United Kingdom

#### 1.4 Emergency telephone number

- Main Contact – +44(0)1440 714800
- Mobile – +44(0)7852958297
- Website – [www.wisdom-toothbrushes.com](http://www.wisdom-toothbrushes.com)
- E-mail – [marks@wisdom.ltd.uk](mailto:marks@wisdom.ltd.uk)

## 2. *Composition/information on ingredients*

#### 2.1 Chemical characterization

- Thermoplastics composition manufactured into dental cleaning products
- Comprising of a plastic injection moulded material and/or tufted filaments

#### 2.2 Hazardous ingredients in product

- None



### 3. Hazard identification

#### 3.1 Adverse physical/chemical effects

- Polymers, according to Act No. 163/2001 on chemical substances and products, and European Community Council Directive 67/548/EEC as amended, is not classified as a hazardous substance.
- Combustible, but not readily flammable
- The dust is explosive when the air concentration reaches lower explosion limit
- Product can become electrostatically charged

#### 3.2 Particular hazards for human health

- Under conditions of proper use, product has neither acute nor chronic adverse effects on human health
- Careless use of product may cause only mechanic eye or skin irritation
- Dust inhalation may irritate respiratory organs
- Hot material may cause burns.

#### 3.3 Environmental hazard

- Wisdom product has no harmful effects in the environment
- In the environment it is a foreign substance with slow biodegradation
- It is insoluble in water.

#### 3.4 Other hazards

- Not presented



#### 4. *First Aid Measures*

##### 4.1 General advice

- No special precautions are needed
- In case of health problems or uncertainty seek medical attention and provide information from this safety data sheet

##### 4.2 If Inhaled

- At recommended operational temperature product does not evaporate or decompose
- In case of dust inhalation, remove the affected person to fresh air
- Seek medical advice if the symptoms persist

##### 4.3 On eye contact

- If dust irritates eyes, rinse eyes with water or remove the dust as other common physical contamination
- Seek medical advice if the symptoms persist

##### 4.4 On skin contact

- First aid is generally not needed. General hygiene measures should be followed
- Don't remove the melted polymer from skin
- Cool affected area with running water and provide medical attention

##### 4.5 On ingestion:

- Information not available



## 5. *Fire fighting measures*

### 5.1 Suitable extinguishing media:

- Foam, extinguishing powder; in case of great fire, water spray or mist

### 5.2 Unsuitable extinguishing media:

- Water with full jet.

### 5.3 Special hazard in case of fire

- In case of fire carbon oxides and other toxic or irritating fumes are created

### 5.4 Special protective equipment in case of fire

- Full protective clothing and self-contained breathing apparatus

### 5.5 Other information

- In case of great fire, protect persons, storage facilities and all other objects near the fire with water spray



## 6. *Accidental release measures*

### 6.1 Personal precautions

- Spilled material may cause slipping hazard
- Remove sources of fire

### 6.2 Environmental precautions

- Do not discharge spilled material in the drain. Remove mechanically

### 6.3 Recommended methods for cleaning up and disposal

- Sweep spilled material and place it in a suitable dry container for further processing or disposal
- Dispose in accordance with relevant waste regulations

### 6.4 Other information

- Not applicable

## 7. *Handling and storage*

### 7.1 Handling

- Follow fire-fighting measures
- Use recommended protective equipment
- Do not eat, drink, smoke or work with open fire during work
- Beware of slipping on spilled material.

### 7.2 Storage

- Storage facilities must fulfil fire safety requirements for buildings and all electrical appliances should be compliant with applicable regulations
- Store the product in dry, well-ventilated roofed storehouse
- Protect from direct sunlight
- Recommended storage temperature: -20°C to 40°C.



## **8. Exposure control and personal protection**

### 8.1 Exposure limits

- Limits of exposure to product is not available
- In normal use no adverse affects are anticipated

### 8.2 Exposure monitoring

- Not applicable

### 8.3 Exposure monitoring at the workplace

- Not applicable

### 8.4 Respiratory protection

- If the products are forming, wear a particular respirator
- In case of fire wear self-contained breathing apparatus

### 8.5 Protection of hands

- Protective gloves

### 8.6 Eye protection

- Safety goggles

### 8.7 Skin protection

- Protective non-flammable antistatic clothes, antistatic boots

### 8.8 Environmental exposure monitoring

- Not available



## 9. *Physical and chemical properties*

### 9.1 General information

- Physical state at 20°C
  - Solid
- Colour
  - Multiple depending on specification
- Odour
  - Odorless / slight plastic smell

### 9.2 Information considering health, safety and environment

- Melting point (granules) (°C)
  - 116 - 165
- Flash point, (granules) (°C)
  - 350 – 370
- Flammability
  - Flammable
- Self-ignition
  - Not applicable
- Lower explosion limit (dust), (g.m-3)
  - 12,6
- Oxidizing properties
  - Not applicable
- Density at 23°C, (kg.m3)
  - 900 – 1.3
- Water solubility at 20°C, (g.l-1)
  - Insoluble

### 9.3 Other information

- None applicable





## **10. Stability and reactivity**

### 10.1 Condition under which the product remains stable

- At the expected temperature of use, product is non-reactive, does not decompose, but may be electrostatically charged
- Thermal decomposition starts at temperatures over 300°C

### 10.2 Conditions to avoid

- High temperature, sparks and open flame

### 10.3 Materials to avoid

- Oxidizing agents (e.g., concentrated nitric acid, fuming sulphuric acid, halogens, etc.)
- Low molecular aliphatic hydrocarbons, aromatics and chlorinated hydrocarbons cause polymers to soften and swell.

### 10.4 Hazardous decomposition products

- Compounds with irritating and sensitization effects at temperatures above 300°C, carbon oxides and other harmful compounds at temperatures above 400°C

### 10.5 Additional information

- Not applicable

## **11. Toxicological information**

- Not applicable

## **12. Ecological information**

- Not applicable



### **13. Waste disposal consideration**

#### 13.1 Waste code and category

- Waste products can be disposed of in land fill
  - Waste code: N/A
  - Waste type name: Waste plastic
  - Waste category: Other

#### 13.2 Recommended methods for recovery and disposal of the material

- Recovery methods: Recycling or organic substance recovery
- Disposal methods: Incineration  
Landfill
- Material/product: Recycling, incineration, landfill
- Container waste: Recycling, incineration, landfill

#### 13.3 Other information

- Not applicable

### **14. Transport information**

#### 14.1 Land transport

- Road and railway transport – product is not subject to shipping regulation classification not classified as dangerous goods according to transport regulation

#### 14.2 Inland waterways and marine transport:

- Not applicable

#### 14.3 Air transport: ICAO/IATA

- Not applicable



## 15. Regulatory information

### 15.1 Product classification

- Product is not classified as hazardous material according to EEC Directives 1999/45, 67/548 and their later amendments

### 15.2 Hazard identification:

- R Phrase(s): Not Needed
- S Phrase(s): Not Needed

## 16. Other information

- Other risk phrases – Not applicable

### 16.1 Other warnings

#### Statement:

This material safety data sheet provides information on Wisdom toothbrush dental product which represents current state of knowledge at the issue date and is needed for assurance of safety, health and environmental protection. Material safety data sheet does not represent qualitative specification of the product. It applies to the specified product and the present information may not apply after processing with other compounds. The customer is advised to confirm that all data presented in this material safety data sheet are in accordance with his regional regulations and norms and are complete and suitable for his purpose.

#### Issued by:

A handwritten signature in blue ink, appearing to read "M Suffling".

Name	Mark Suffling
Title	Quality Manager – Wisdom Toothbrushes Ltd
Creation Date	3 <sup>rd</sup> June, 2010
Revision Date	27 <sup>th</sup> October. 2023 – 4th Edition