

# Safety Data Sheet

## Microhybrid tips (all shades)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : Microhybrid tips (all shades)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

Main use category : Professional use

Function or use category : Dental materials.

##### Uses advised against

No additional information available

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

Manufacturer:

**DE Healthcare Ltd.**

Unit 9, Kingsthorpe Business Centre,

Studland Road, Kingsthorpe,

Northampton NN2 6NE U.K.

www.dehpbrand.com

Contact: info@dehpbrand.com

Tel. +44 1634 266 056

##### REF Description

9792238 Micro-hybrid tips A1 enamel 4g, 20 x 0.2g  
 9792239 Micro-hybrid tips A2 enamel 4g, 20 x 0.2g  
 9792240 Micro-hybrid tips A3 enamel 4g, 20 x 0.2g  
 9792241 Micro-hybrid tips A3.5 enamel 4g, 20 x 0.2g  
 9792242 Micro-hybrid tips A4 enamel 4g, 20 x 0.2g  
 9792243 Micro-hybrid tips B2 enamel 4g, 20 x 0.2g  
 9792244 Micro-hybrid tips B3 enamel 4g, 20 x 0.2g  
 9792245 Micro-hybrid tips C1 enamel 4g, 20 x 0.2g  
 9792246 Micro-hybrid tips C2 enamel 4g, 20 x 0.2g  
 9792247 Micro-hybrid tips C3 enamel 4g, 20 x 0.2g  
 9792248 Micro-hybrid tips D3 enamel 4g, 20 x 0.2g  
 9792249 Micro-hybrid tips universal opaque 4g, 20 x 0.2g

#### 1.4. Emergency telephone number

Emergency number : Chemtrec International: 001 703-527-3887

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Extra phrases : The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c).

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
zinc oxide	(CAS No) 1314-13-2 (EC no) 215-222-5 (EC index no) 030-013-00-7 (REACH-no) 01-2119463881-32	< 0.1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
mequinol, 4-methoxyphenol, hydroquinone monomethyl ether	(CAS No) 150-76-5 (EC no) 205-769-8 (EC index no) 604-044-00-7 (REACH-no) 01-2119541813-40	< 0.01	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317
methacrylate ester monomer			Not classified
titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5 (REACH-no) 01-2119489379-17		Not classified
pigment	(REACH-no) N/A		Not classified

Full text of H-statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

No specific measures identified.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO<sub>2</sub>) and powder.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Non flammable. Hazardous polymerization may occur if exposed to high temperature.
- Explosion hazard : Product is not explosive.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.

#### For non-emergency personnel

- Protective equipment : See Heading 8.
- Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

- For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large spills: scoop solid spill into closing containers.

**6.4. Reference to other sections**

For further information refer to section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

- Precautions for safe handling : Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**7.2. Conditions for safe storage, including any incompatibilities**

- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Store in original container. Keep cool. Store in dry protected location to prevent any moisture contact.
- Incompatible materials : Oxidizing substances. reducing materials. Organic peroxides. Amines.
- Storage area : Store in a well-ventilated place.

**7.3. Specific end use(s)**

Consult the supplier for further information.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

No additional information available

**8.2. Exposure controls**

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Gloves. Safety glasses.
- Hand protection : Wear suitable gloves. Nitrile rubber gloves. Layer thickness : 0,09mm. Breakthrough time : >480 min. STANDARD EN 374.
- Eye protection : Safety glasses. STANDARD EN 166.
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. In case of insufficient ventilation, wear suitable respiratory equipment. Standard EN 141.



- Other information : Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

- Physical state : Liquid
- Appearance : Paste.
- Colour : Various.
- Odour : Fruity.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available

Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.5 g/cm <sup>3</sup>
Solubility	: Material insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non flammable.
Explosive limits	: No data available

**9.2. Other information**

No additional information available

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

May polymerize.

**10.4. Conditions to avoid**

No flames, no sparks. Eliminate all sources of ignition.

**10.5. Incompatible materials**

Oxidizing agent. reducing materials. Organic peroxides. Amines.

**10.6. Hazardous decomposition products**

No decomposition if stored normally.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Acute toxicity : Not classified

<b>titanium dioxide (13463-67-7)</b>	
LD50 oral rat	> 100000 mg/kg
<b>zinc oxide (1314-13-2)</b>	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	0.57 mg/l/4h

Skin corrosion/irritation	: Not classified Contact during a long period may cause slight irritation
Serious eye damage/irritation	: Not classified Liquid splashes in the eye may cause irritation
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified By prolonged exposure : May cause minor irritation to the respiratory tract and to other mucous membranes May cause minor irritation to the respiratory tract and to other mucous membranes
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>titanium dioxide (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l (96 hours - Fundulus heteroclitus)

<b>titanium dioxide (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l (96 hours - Fundulus heteroclitus)
<b>zinc oxide (1314-13-2)</b>	
LC50 fish 1	1.1 mg/l 96 h (Onchorhynchus mykiss)
EC50 Daphnia 1	24.6 48 h (Daphnia magna)

**12.2. Persistence and degradability**

<b>POINT 4 (all shades)</b>	
Persistence and degradability	No data available.

**12.3. Bioaccumulative potential**

<b>POINT 4 (all shades)</b>	
Bioaccumulative potential	No data.
<b>zinc oxide (1314-13-2)</b>	
Log Pow	< 0

**12.4. Mobility in soil**

<b>POINT 4 (all shades)</b>	
Ecology - soil	Material insoluble in water.

**12.5. Results of PBT and vPvB assessment**

<b>POINT 4 (all shades)</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

**12.6. Other adverse effects**

Other adverse effects : None to our knowledge.  
 Additional information : No other effects known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Regional legislation (waste) : Product is not hazardous waste.  
 Waste treatment methods : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
 Ecology - waste materials : Avoid release to the environment.  
 European List of Waste (LoW) code : 18 01 06\* - chemicals consisting of or containing dangerous substances

**SECTION 14: TRANSPORT INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not regulated for transport

**14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards**

Dangerous for the environment : No  
 Other information : No supplementary information available

**14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

Contains no REACH substances with Annex XVII restrictions  
 Contains no substance on the REACH candidate list  
 Contains no REACH Annex XIV substances

**National regulations**

EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

**SECTION 16: OTHER INFORMATION**

Indication of changes:

Regulatory information.

2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
3.2	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	

Data sources	:	EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
Date of issue	:	19/09/2003
Revision date	:	09/10/2015
Supersedes	:	29/08/2014
Version	:	5.0
Signature	:	A. Åsebø Murel

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

*The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.*