

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071716802

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071176569 071176668 071176742 071176791 071716794 071716810 071716851 071716869 071716877 071716885  
071716893 071716901 071716919 071716927 071716935 071716943 071716950 071716968 071716976 071716984  
071716992 071717008 071717016 071717024 071717107 071717115 071717123 071717131 071717149 071717156  
071717164 071717172 071717180 071717198 071717206 071717214 071717222 071717230 071717248 071717255  
071717263 071717271 071891191 071891266 071891274 078261542 078261545 078261548 078261551 078262001

## Safety Data Sheet

Date Issued: 1995  
Document Number: SDSDNFPFO  
Date Revised: 10/09/14  
Revision Number: 05

### 1. PRODUCT IDENTIFICATION

**Trade Name (as labeled):** Densfil Obturators (45 through 140),  
**Chemical Name/Classification:** POLYSULFONE and GUTTA PERCHA  
**Product Identifier (Part/Item Number):** Polysulfone with 35% Tungsten and Gutta Percha  
**U.N. Number:** Not Applicable  
**U.N. Dangerous Goods Classification:** Not Applicable  
**Recommended Use:** Obturating Root Canals  
**Restrictions on Use:** None  
**Manufacturer/Supplier Name:** DENTSPLY Maillefer  
**Manufacturer/Supplier Address:** 608 Rolling Hills Dr. Johnson City, Tennessee 37604  
**Manufacturer/Supplier Telephone Number:** 1-800-924-7393  
**Emergency Contact Telephone Number:** 1-800-262-8200  
**Email address:** [chemtrec@chemtrec.com](mailto:chemtrec@chemtrec.com)

### 2. HAZARD(s) IDENTIFICATION

**Hazard/Danger Classification:**

Health	Environmental	Physical
Not Applicable	Not Applicable	Not Applicable

**Associated Hazards:**

Hazard Statements	Precautionary Statements
Not Applicable	Not Applicable



**EU Classification:** Not Applicable

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EU Risk (R) and Safety (S) Phrases: : R36, S2, S26

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Tungsten	7440-33-7	Tungsten	Inorganic	35
Zinc Oxide	1314-13-2	Zinc Oxide	Inorganic	77
Non Hazardous Components	C.A.S # EC#	IUPAC Name	Substance Classification	WT%
Gutta Percha	9003- 31-0	trans-1, 4-polyisoprene	Organic	20
Polysulfone	25135-51-7	4-[Hydrexghenyl)-Propan-2-y1]Phenol	Organic	65

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.





## 4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	Rinse opened eye for several minutes under running water
Skin	Flush skin with soap and water
Inhalation	Supply fresh air; consult a doctor in case of complaints.
Ingestion	If symptoms persist consult a doctor.
Other	Not Applicable
Note to Physicians (Treatment, Testing, and Monitoring) Not Applicable	

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, ABC dry chemical, or Protein type air foams.
Fire Fighting Procedures:	Not Applicable
Specific Hazards Arising from the Chemical:	Carbon monoxide can be emitted at > 400°C
Precautions for Fire Fighters:	Firefighters should be equipped with self-contained breather apparatus and turn-out gear

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<b>Recommended Protective Equipment for Fire Fighters:</b> Wear positive pressure self-contained breathing apparatus (SCBA) during the attack phase of firefighting operations and during cleanup in enclosed or poorly ventilated areas immediately after a fire.			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, PPE and Emergency Procedures:** see below

**Environmental Precautions:** N/A

**Methods and Materials for Containment and Clean-up:** Place in suitable containers for disposal by local, state, or federal waste disposal regulations.

<b>Recommended Personal Protective Equipment for Containment and Clean-up:</b>			
EYES	SKIN	RESPIRATORY	
			

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** None

**Conditions for Safe Storage:** Control environmental maintaining a temperature range of 60°F to 86° F.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** Not Applicable

**Biological Exposure Limits:** Not Applicable

**Appropriate Engineering Controls:** N/A

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<b>Individual Protection Measures (PPE)</b> <b>Specific Eye/face Protection:</b> see below <b>Specific Skin Protection:</b> see below <b>Specific Respiratory Protection:</b> see below <b>Specific Thermal Hazards:</b> Not Applicable			
<b>Recommended Personal Protective Equipment</b>			
	EYES/FACE	SKIN	
			
<b>Environmental Exposure Controls:</b> Not Applicable			
<b>General Hygiene Considerations and Work Practices:</b> Not Applicable			
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment:</b> Not Applicable			

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pink coating on Gray carrier	<b>Explosive limits:</b>	Not Available
<b>Odor:</b>	None reported	<b>Vapor pressure:</b>	Not Available
<b>Odor threshold:</b>	Not Applicable	<b>Vapor density:</b>	Not Available
<b>pH:</b>	7	<b>Relative density:</b>	1.5g/cc
<b>Melting/freezing point:</b>	<400°C	<b>Solubility:</b>	Negligible
<b>Initial boiling point and range:</b>	Not Applicable	<b>Partition coefficient: n-octanol/water:</b>	Not Available
<b>Flash point:</b>	Not Available	<b>Auto-ignition temperature:</b>	Not Available
<b>Evaporation rate:</b>	Not Available	<b>Decomposition temperature:</b>	400°C
<b>Flammability:</b>	Not Available	<b>Viscosity:</b>	Not Available
<b>Explosive Properties:</b>	Not Available	<b>Oxidizing Properties:</b>	Not Available

## 10. STABILITY AND REACTIVITY

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<b>Reactivity:</b> None
<b>Chemical Stability:</b> Stable
<b>Possibility of Hazardous Reactions:</b> No
<b>Conditions to Avoid:</b> Temperatures > 400°C
<b>Incompatible materials:</b> None
<b>Hazardous Decomposition Products:</b> N/A

## 11. TOXICOLOGICAL INFORMATION

<b>Signs and Symptoms of Overexposure:</b> None							
<b>Emergency Overview:</b> Polysulfone and Tungsten are biocompatible. Gutta Percha is trans-1,4-polyisoprene and Zinc Oxide.							
Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)	LD50 Testing Data (as applicable)	LC50 Testing Data (as applicable)
<b>Eye:</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Skin:</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Inhalation:</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Ingestion:</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Other:</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Medical Conditions Aggravated by Exposure:</b> None.							
<b>Carcinogenicity:</b> None.							

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b> No hazards
<b>Persistence and Degradability:</b> Stable
<b>Bio-accumulative Potential:</b> None
<b>Mobility in Soil:</b> None
<b>Other Adverse Effects:</b> None
<b>Results of PBT/vPvB Assessment:</b> None

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## 13. DISPOSAL CONSIDERATIONS

**Regulations:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**Properties (Physical/Chemical) Affecting Disposal:** None

**Waste Treatment Recommendations:** None required.

## 14. TRANSPORT INFORMATION

**UN Identification Number:** Not Applicable – Polysulfone, 3089 – Tungsten, 3077 - Zinc Oxide and Not Applicable - trans-1, 4-polyisoprene

**UN Proper Shipping Name:** Not Applicable

**Transport hazard class(es):** Not regulated

**Packing Group:** III

**Special precautions for user:** None



## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** Not regulated

**Toxic Substances Control Act (TSCA):** Not regulated

**Clean Water Act (CWA):** Not regulated

**Clean Air Act (CAA):** Not regulated

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:** None

**SARA Section 311/312 (40 CFR 370) Hazard Categories:** None

<b>Immediate Hazard:</b>	None	<b>Pressure Hazard:</b>	None
<b>Delayed Hazard:</b>	None	<b>Reactivity Hazard:</b>	None

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<b>Fire Hazard:</b>	None
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**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
N/A	N/A	N/A

## State Regulations

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
Tungsten	7440-33-7	35
Zinc Oxide	1314-3-2	77

## International Regulations

**Canadian Environmental Protection Act:** None

**Canadian Workplace Hazardous Materials Information System (WHMIS):** None

**European Inventory of Existing Chemicals (EINECS):** None

## 16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3: None

R36 Irritating to eyes

S3 Keep in a cool place

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

H320: Causes eye irritation

P235: Keep cool

Date of SDS Preparation/Revision: 10/09/2014 rev05

Data Sources: Supplier

Annex IV of European Union Directive 67/548/EEC and Directive 2001/59/EC

National Institute for Occupational Safety (NIOSH)

US Occupational Safety and Health Administration (OSHA)