

Safety Data Sheet

Date Issued: 3/14/14
Document Number: SDS-000014
Date Revised:
Revision Number: 00

1. PRODUCT IDENTIFICATION

Trade Name (as labeled): Hand Instruments
Chemical Name/Classification: Stainless Steel (SS)
Product Identifier (Part/Item Number): Hand and Rotary Files
U.N. Number: Not applicable
U.N. Dangerous Goods Classification: Not applicable
Recommended Use: Root Canal Therapy
Restrictions on Use: Used for dental applications only
Manufacturer/Supplier Name: DENTSPLY Tulsa Dental Specialties
Manufacturer/Supplier Address: 608 Rolling Hills Drive, Johnson City, TN, 37604
Manufacturer/Supplier Telephone Number: 1-800-924-7393 (Product Information)
Emergency Contact Telephone Number: 1-800-262-8200
Email address: 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

EU Risk (R) and Safety (S) Phrases: Not applicable

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

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Iron	13097-37-1	Iron	Metal	69.5
Chromium	7440-47-3	Chromium	Metal	18.0
Nickel	7440-02-0	Nickel	Metal	9.0
Manganese	7439-96-5	Manganese	Metal	2.0
Cobalt	7440-48-4	Cobalt	Metal	.75

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 open eye for several minutes under running water.
Skin	Generally, the product does not irritate the skin.
Inhalation	Supply fresh air; consult a physician in case of complaints.
Ingestion	If symptoms persist consult a physician.
Most important symptoms of exposure	Not applicable
Other	Not applicable
Note to Physicians (Treatment, Testing, and Monitoring) Not applicable	

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	CO2, powder or water spray. Fight larger fire with water spray or alcohol resistant foam.
Fire Fighting Procedures:	No special measures required.
Specific Hazards Arising from the Chemical:	No special measures required.
Precautions for Fire Fighters:	Not applicable

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Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: Eye/face protection, gloves, face mask

Environmental Precautions: Do not allow to enter sewers/surface or ground water.

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

Recommended Personal Protective Equipment for Containment and Clean-up:			
EYES/FACE	SKIN	SKIN	THERMAL
			N/A

7. HANDLING AND STORAGE

Precautions for Safe Handling: There are no special technical measures involved for handling stainless steel files.

Conditions for Safe Storage: There are no special technical measures involved for storing stainless steel files.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: N/A

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Biological Exposure Limits: N/A
Appropriate Engineering Controls: N/A
Individual Protection Measures (PPE) Specific Eye/face Protection: Not applicable Specific Skin Protection: Not applicable Specific Respiratory Protection: Not applicable Specific Thermal Hazards: Not applicable
Environmental Exposure Controls: Not applicable
General Hygiene Considerations and Work Practices: Not applicable
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid; metallic grey, ranging from dull to bright polished	Explosive limits:	N/A
Odor:	Odorless	Vapor pressure:	NIL
Odor threshold:	N/A	Vapor density:	N/A
pH:	N/A	Relative density:	N/A
Melting:	N/A	Solubility:	Insoluble
Initial boiling point and range:	N/A	Partition coefficient: n-octanol/water:	N/A
Flash point:	N/A	Auto-ignition temperature:	N/A
Evaporation rate:	N/A	Decomposition temperature:	N/A
Flammability:	N/A	Viscosity:	solid
Explosive Properties:	N/A	Oxidizing Properties:	N/A

10. STABILITY AND REACTIVITY

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Reactivity: N/A
Chemical Stability: N/A
Possibility of Hazardous Reactions: N/A
Conditions to Avoid: N/A
Incompatible materials: N/A
Hazardous Decomposition Products: N/A

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure Stainless Steel in solid form are not considered a health hazard.

Emergency Overview: N/A

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)
Eye:	Irritation	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
Skin:	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
Inhalation:	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
Ingestion:	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
Other:	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable

Medical Conditions Aggravated by Exposure: None known

Carcinogenicity: Not carcinogenic in the solid form.

12. ECOLOGICAL INFORMATION

Toxicity: N/A

Persistence and Degradability: Stable

Bio-accumulative Potential: Not applicable

Mobility in Soil: Not applicable

Other Adverse Effects: Not applicable

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Results of PBT/vPvB Assessment: Not applicable

13. DISPOSAL CONSIDERATIONS

Regulations: N/A

Properties (Physical/Chemical) Affecting Disposal: Discard any product, residue, disposable container, or liner in an environmentally acceptable manor, in full compliance with federal state and local regulations.

Waste Treatment Recommendations: Discard any product, residue, disposable container, or liner in an environmentally acceptable manor, in full compliance with federal state and local regulations.

14. TRANSPORT INFORMATION

UN Identification Number: Not applicable

UN Proper Shipping Name: Not applicable

Transport hazard class(es): Not applicable

Packing Group: Not applicable

Special precautions for user: Not applicable

15. REGULATORY INFORMATION

U.S. Federal Regulations

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

Toxic Substances Control Act (TSCA): All material contained within this product are on the TSCA Inventory List.

Clean Water Act (CWA): Not regulated

Clean Air Act (CAA): Not regulated

Superfund Amendments and Reauthorization Act (SARA) Title III Information: No components are listed as extremely hazardous substances. Product (dust and fume) is categorized as an immediate (acute) health hazard and a delayed (chronic) health hazard.

SARA Section 311/312 (40 CFR 370) Hazard Categories: Not hazardous unless processing creates dusts or fumes.

Immediate Hazard:	None	Pressure Hazard:	None
Delayed Hazard:	None	Reactivity Hazard:	None

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Fire Hazard:	None	Explosive Hazardous:	None
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This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
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:

Components	C.A.S. #	WT %
N/A	N/A	N/A

International Regulations

Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.

Canadian Workplace Hazardous Materials Information System (WHMIS): Medical devices are not subject to WHMIS.

European Inventory of Existing Chemicals (EINECS): This product is a medical device and not subject to chemical notification requirements.

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

Hazard/Danger Classification:

Health - Not applicable

Environmental - Not applicable

Physical - Not applicable

Associated Hazards:

Hazard Statements: Not applicable

Date of SDS Preparation/Revision: 03/13/2014

Precautionary Statements: Not applicable

EU Classification: Not applicable

EU Risk (R) and Safety (S) Phrases: Not applicable

Hazardous Components: Not applicable

Date of SDS Preparation/Revision: 03/13/2014

Data Sources: Supplier