

## SAFETY DATA SHEETS

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

070872259

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

070871418 070871426 070871434 070871442 070871459 070871467 070871475 070871483 070871491 070871509  
070871517 070871525 070871533 070871541 070871558 070871566 070871574 070871582 070871590 070871608  
070871616 070871624 070871632 070871640 070871657 070871665 070871673 070871681 070871699 070871707  
070871715 070871723 070871731 070871749 070871756 070871798 070871806 070871814 070871822 070871830  
070871848 070871855 070871863 070871871 070871889 070871897 070871905 070871913 070871921 070871939  
070871947 070871954 070871962 070872010 070872028 070872036 070872044 070872051 070872069 070872077  
070872085 070872093 070872101 070872119 070872127 070872135 070872143 070872150 070872168 070872176  
070872184 070872192 070872200 070872218 070872226 070872234 070872242 070872267 070872275 070872283



# Safety Data Sheet

Date Issued: 11/6/2015  
 Document Number: SDS-SSFILES  
 Date Revised:  
 Revision Number: 00

## 1. PRODUCT IDENTIFICATION

**Trade Name (as labeled):** Patterson K Files  
**Chemical Name/Classification:** Stainless Steel (SS)  
**Product Identifier (Part/Item Number):** See Below  
**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  
**Distributed by:** Patterson Companies, Inc  
**Manufacturer/Supplier Address:** 1031 Mendota Heights Road, St Paul, MN 55120  
**Manufacturer/Supplier Telephone Number:** 1-800-328-5536 (Product Information)  
**Emergency Contact Telephone Number:** 1-800-424-9300  
**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

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

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

# ROYDENT Dental Products

Conforms with OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

## 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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<b>Biological Exposure Limits:</b> N/A
<b>Appropriate Engineering Controls:</b> N/A
<b>Individual Protection Measures (PPE)</b> <b>Specific Eye/face Protection:</b> Not applicable <b>Specific Skin Protection:</b> Not applicable <b>Specific Respiratory Protection:</b> Not applicable <b>Specific Thermal Hazards:</b> Not applicable
<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>	Solid; metallic grey, ranging from dull to bright polished	<b>Explosive limits:</b>	N/A
<b>Odor:</b>	Odorless	<b>Vapor pressure:</b>	NIL
<b>Odor threshold:</b>	N/A	<b>Vapor density:</b>	N/A
<b>pH:</b>	N/A	<b>Relative density:</b>	N/A
<b>Melting:</b>	N/A	<b>Solubility:</b>	Insoluble
<b>Initial boiling point and range:</b>	N/A	<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Flash point:</b>	N/A	<b>Auto-ignition temperature:</b>	N/A
<b>Evaporation rate:</b>	N/A	<b>Decomposition temperature:</b>	N/A
<b>Flammability:</b>	N/A	<b>Viscosity:</b>	solid
<b>Explosive Properties:</b>	N/A	<b>Oxidizing Properties:</b>	N/A

## 10. STABILITY AND REACTIVITY

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<b>Reactivity:</b> N/A
<b>Chemical Stability:</b> N/A
<b>Possibility of Hazardous Reactions:</b> N/A
<b>Conditions to Avoid:</b> N/A
<b>Incompatible materials:</b> N/A
<b>Hazardous Decomposition Products:</b> 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)
<b>Eye:</b>	Irritation	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
<b>Skin:</b>	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
<b>Inhalation:</b>	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
<b>Ingestion:</b>	Not applicable	Not applicable	Not applicable	Not applicable	None known	Not applicable	Not applicable
<b>Other:</b>	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

<b>Immediate Hazard:</b>	<b>None</b>	<b>Pressure Hazard:</b>	<b>None</b>
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## ROYDENT Dental Products

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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.

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<b>Delayed Hazard:</b>	<b>None</b>	<b>Reactivity Hazard:</b>	<b>None</b>
<b>Fire Hazard:</b>	<b>None</b>	<b>Explosive Hazardous:</b>	<b>None</b>

**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 chemical(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:** 11/6/2015

Product ID #s 070871418, 070871426, 070871434, 070872010, 070872028, 070872036, 070872044, 070872051, 070872069, 070871442, 070871459, 070871467, 070871475, 070871483, 070871491, 070871509, 070871517, 070871525, 070872077, 070871533, 070871541, 070871558, 070871566, 070872085, 070872093, 070872101, 070872119, 070872127, 070872135, 070871574, 070871582, 070871590, 070871608, 070871616, 070871624, 070871632, 070871640, 070871657, 070872143, 070871665, 070871673, 070871681, 070871699, 070872150, 070872168, 070872176, 070872184, 070872192, 070872200, 070871707, 070871715, 070871723, 070871731, 070871749, 070871756, 070872218, 070871798, 070871806, 070871814, 070871822, 070872226, 070872234, 070872242, 070872259, 070872267, 070872275, 070871830, 070871848, 070871855, 070871863, 070871871, 070871889, 070871897, 070871905, 070871913, 070871921, 070871939, 070871947, 070872283, 070871954, 070871962