

SAFETY DATA SHEETS

This SDS packet was issued with item:

070414417

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

070414169 070414177 070414185 070414193 070414201 070414219 070414227 070414235 070414243 070414250
070414268 070414276 070414284 070414292 070414300 070414318 070414326 070414334 070414342 070414359
070414367 070414375 070414383 070414391 070414409 070414425 070414433 070414441 070414458 070414466
070414474 070414482 070414490 070414508 070414516 070414524 070414532 070414540 070414557 070414565
070414573 070414581 070414599 070414607 070414615 070414623 070414631 070414649 070414656 070414664
070414672 070414680 070414698 070414706 070414714 070414722 070414730 070414748 070414755 070414763
070414771 070414789 070414797 070414805 070414813 070414821 070414839 070414847 070414854 070414862
070414870 070414888 070414896 070414904 070414912 070414920 070414938 070414946 070414953 070414961
070414979 070414987 070414995 070415000 070415018 070415026 070415034 070415042 070415059 070415067
070415075 070415083 070415091 070415109 070415117 070415125 070415133 070415141 070415158 070415166
070415174 070415182 070415190 070415208 070415216 070415224 070415232 070415240 070415257 070415265
070415273 070415281 070415289 070415297 070415305 070415313 070415321 070415329 070415337 070415345
070415353 070415361 070415369 070415377 070415385 070415393 070415401 070415409 070415417 070415425
070415433 070415441 070415449 070415457 070415465 070415473 070415481 070415489 070415497 070415505
070415513 070415521 070415529 070415537 070415545 070415553 070415561 070415569 070415577 070415585
070415593 070415601 070415609 070415617 070415625 070415633 070415641 070415649 070415657 070415665
070415673 070415681 070415689 070415697 070415705 070415713 070415721 070415729 070415737 070415745
070415753 070415761 070415769 070415777 070415785 070415793 070415801 070415809 070415817 070415825
070415833 070415841 070415849 070415857 070415865 070415873 070415881 070415889 070415897 070415905
070415913 070415921 070415929 070415937 070415945 070415953 070415961 070415969 070415977 070415985
070415993 070416001 070416009 070416017 070416025 070416033 070416041 070416049 070416057 070416065
070416073 070416081 070416089 070416097 070416105 070416113 070416121 070416129 070416137 070416145
070416153 070416161 070416169 070416177 070416185 070416193 070416201 070416209 070416217 070416225
070416233 070416241 070416249 070416257 070416265 070416273 070416281 070416289 070416297 070416305
070416313 070416321 070416329 070416337 070416345 070416353 070416361 070416369 070416377 070416385
070416393 070416401 070416409 070416417 070416425 070416433 070416441 070416449 070416457 070416465
070416473 070416481 070416489 070416497 070416505 070416513 070416521 070416529 070416537 070416545
070416553 070416561 070416569 070416577 070416585 070416593 070416601 070416609 070416617 070416625
070416633 070416641 070416649 070416657 070416665 070416673 070416681 070416689 070416697 070416705
070416713 070416721 070416729 070416737 070416745 070416753 070416761 070416769 070416777 070416785
070416793 070416801 070416809 070416817 070416825 070416833 070416841 070416849 070416857 070416865
070416873 070416881 070416889 070416897 070416905 070416913 070416921 070416929 070416937 070416945
070416953 070416961 070416969 070416977 070416985 070416993 070417001 070417009 070417017 070417025
070417033 070417041 070417049 070417057 070417065 070417073 070417081 070417089 070417097 070417105
070417113 070417121 070417129 070417137 070417145 070417153 070417161 070417169 070417177 070417185
070417193 070417201 070417209 070417217 070417225 070417233 070417241 070417249 070417257 070417265
070417273 070417281 070417289 070417297 070417305 070417313 070417321 070417329 070417337 070417345
070417353 070417361 070417369 070417377 070417385 070417393 070417401 070417409 070417417 070417425
070417433 070417441 070417449 070417457 070417465 070417473 070417481 070417489 070417497 070417505
070417513 070417521 070417529 070417537 070417545 070417553 070417561 070417569 070417577 070417585
070417593 070417601 070417609 070417617 070417625 070417633 070417641 070417649 070417657 070417665
070417673 070417681 070417689 070417697 070417705 070417713 070417721 070417729 070417737 070417745
070417753 070417761 070417769 070417777 070417785 070417793 070417801 070417809 070417817 070417825
070417833 070417841 070417849 070417857 070417865 070417873 070417881 070417889 070417897 070417905
070417913 070417921 070417929 070417937 070417945 070417953 070417961 070417969 070417977 070417985
070417993 070418001 070418009 070418017 070418025 070418033 070418041 070418049 070418057 070418065
070418073 070418081 070418089 070418097 070418105 070418113 070418121 070418129 070418137 070418145
070418153 070418161 070418169 070418177 070418185 070418193 070418201 070418209 070418217 070418225
070418233 070418241 070418249 070418257 070418265 070418273 070418281 070418289 070418297 070418305
070418313 070418321 070418329 070418337 070418345 070418353 070418361 070418369 070418377 070418385
070418393 070418401 070418409 070418417 070418425 070418433 070418441 070418449 070418457 070418465
070418473 070418481 070418489 070418497 070418505 070418513 070418521 070418529 070418537 070418545
070418553 070418561 070418569 070418577 070418585 070418593 070418601 070418609 070418617 070418625
070418633 070418641 070418649 070418657 070418665 070418673 070418681 070418689 070418697 070418705
070418713 070418721 070418729 070418737 070418745 070418753 070418761 070418769 070418777 070418785
070418793 070418801 070418809 070418817 070418825 070418833 070418841 070418849 070418857 070418865
070418873 070418881 070418889 070418897 070418905 070418913 070418921 070418929 070418937 070418945
070418953 070418961 070418969 070418977 070418985 070418993 070419001 070419009 070419017 070419025
070419033 070419041 070419049 070419057 070419065 070419073 070419081 070419089 070419097 070419105
070419113 070419121 070419129 070419137 070419145 070419153 070419161 070419169 070419177 070419185
070419193 070419201 070419209 070419217 070419225 070419233 070419241 070419249 070419257 070419265
070419273 070419281 070419289 070419297 070419305 070419313 070419321 070419329 070419337 070419345
070419353 070419361 070419369 070419377 070419385 070419393 070419401 070419409 070419417 070419425
070419433 070419441 070419449 070419457 070419465 070419473 070419481 070419489 070419497 070419505
070419513 070419521 070419529 070419537 070419545 070419553 070419561 070419569 070419577 070419585
070419593 070419601 070419609 070419617 070419625 070419633 070419641 070419649 070419657 070419665
070419673 070419681 070419689 070419697 070419705 070419713 070419721 070419729 070419737 070419745
070419753 070419761 070419769 070419777 070419785 070419793 070419801 070419809 070419817 070419825
070419833 070419841 070419849 070419857 070419865 070419873 070419881 070419889 070419897 070419905
070419913 070419921 070419929 070419937 070419945 070419953 070419961 070419969 070419977 070419985
070419993 070420001 070420009 070420017 070420025 070420033 070420041 070420049 070420057 070420065
070420073 070420081 070420089 070420097 070420105 070420113 070420121 070420129 070420137 070420145
070420153 070420161 070420169 070420177 070420185 070420193 070420201 070420209 070420217 070420225
070420233 070420241 070420249 070420257 070420265 070420273 070420281 070420289 070420297 070420305
070420313 070420321 070420329 070420337 070420345 070420353 070420361 070420369 070420377 070420385
070420393 070420401 070420409 070420417 070420425 070420433 070420441 070420449 070420457 070420465
070420473 070420481 070420489 070420497 070420505 070420513 070420521 070420529 070420537 070420545
070420553 070420561 070420569 070420577 070420585 070420593 070420601 070420609 070420617 070420625
070420633 070420641 070420649 070420657 070420665 070420673 070420681 070420689 070420697 070420705
070420713 070420721 070420729 070420737 070420745 070420753 070420761 070420769 070420777 070420785
070420793 070420801 070420809 070420817 070420825 070420833 070420841 070420849 070420857 070420865
070420873 070420881 070420889 070420897 070420905 070420913 070420921 070420929 070420937 070420945
070420953 070420961 070420969 070420977 070420985 070420993 070421001 070421009 070421017 070421025
070421033 070421041 070421049 070421057 070421065 070421073 070421081 070421089 070421097 070421105
070421113 070421121 070421129 070421137 070421145 070421153 070421161 070421169 070421177 070421185
070421193 070421201 070421209 070421217 070421225 070421233 070421241 070421249 070421257 070421265
070421273 070421281 070421289 070421297 070421305 070421313 070421321 070421329 070421337 070421345
070421353 070421361 070421369 070421377 070421385 070421393 070421401 070421409 070421417 070421425
070421433 070421441 070421449 070421457 070421465 070421473 070421481 070421489 070421497 070421505
070421513 070421521 070421529 070421537 070421545 070421553 070421561 070421569 070421577 070421585
070421593 070421601 070421609 070421617 070421625 070421633 070421641 070421649 070421657 070421665
070421673 070421681 070421689 070421697 070421705 070421713 070421721 070421729 070421737 070421745
070421753 070421761 070421769 070421777 070421785 070421793 070421801 070421809 070421817 070421825
070421833 070421841 070421849 070421857 070421865 070421873 070421881 070421889 070421897 070421905
070421913 070421921 070421929 070421937 070421945 070421953 070421961 070421969 070421977 070421985
070421993 070422001 070422009 070422017 070422025 070422033 070422041 070422049 070422057 070422065
070422073 070422081 070422089 070422097 070422105 070422113 070422121 070422129 070422137 070422145
070422153 070422161 070422169 070422177 070422185 070422193 070422201 070422209 070422217 070422225
070422233 070422241 070422249 070422257 070422265 070422273 070422281 070422289 070422297 070422305
070422313 070422321 070422329 070422337 070422345 070422353 070422361 070422369 070422377 070422385
070422393 070422401 070422409 070422417 070422425 070422433 070422441 070422449 070422457 070422465
070422473 070422481 070422489 070422497 070422505 070422513 070422521 070422529 070422537 070422545
070422553 070422561 070422569 070422577 070422585 070422593 070422601 070422609 070422617 070422625
070422633 070422641 070422649 070422657 070422665 070422673 070422681 070422689 070422697 070422705
070422713 070422721 070422729 070422737 070422745 070422753 070422761 070422769 070422777 070422785
070422793 070422801 070422809 070422817 070422825 070422833 070422841 070422849 070422857 070422865
070422873 070422881 070422889 070422897 070422905 070422913 070422921 070422929 070422937 070422945
070422953 070422961 070422969 070422977 070422985 070422993 070423001 070423009 070423017 070423025
070423033 070423041 070423049 070423057 070423065 070423073 070423081 070423089 070423097 070423105
070423113 070423121 070423129 070423137 070423145 070423153 070423161 070423169 070423177 070423185
070423193 070423201 070423209 070423217 070423225 070423233 070423241 070423249 070423257 070423265
070423273 070423281 070423289 070423297 070423305 070423313 070423321 070423329 070423337 070423345
070423353 070423361 070423369 070423377 070423385 070423393 070423401 070423409 070423417 070423425
070423433 070423441 070423449 070423457 070423465 070423473 070423481 070423489 070423497 070423505
070423513 070423521 070423529 070423537 070423545 070423553 070423561 070423569 070423577 070423585
070423593 070423601 070423609 070423617 070423625 070423633 070423641 070423649 070423657 070423665
070423673 070423681 070423689 070423697 070423705 070423713 070423721 070423729 070423737 070423745
070423753 070423761 070423769 070423777 070423785 070423793 070423801 070423809 070423817 070423825
070423833 070423841 070423849 070423857 070423865 070423873 070423881 070423889 070423897 070423905
070423913 070423921 070423929 070423937 070423945 070423953 070423961 070423969 070423977 070423985
070423993 070424001 070424009 070424017 070424025

MATERIAL SAFETY DATA SHEET

SECTION I-CHEMICAL PRODUCT IDENTIFICATION

Product Name: Patterson Ceramic Brackets (Roth, Brace System)

Patterson Product Codes: 070940700, 070940718, 070940742, 070940759, 070940767, 070940775, 070940783, 070940791, 070940809, 070940817, 070940825, 070940833, 070940841, 070940858, 070940866, 070940874, 070940882, 070940890, 070940908, 070940916, 070940924, 070940932, 070940940, 070940957, 070940965, 070940973, 070940981, 070940999, 070941005, 070941013, 070941021, 070941039, 070941047

Distributor's Name:
Patterson Companies, Inc.

Emergency Telephone Number:
24-hour Emergency Response Number: (800) 424-9300.

Address:
1031 Mendota Heights Road
St. Paul, MN 55120
USA

Information Telephone Number:
Tel: 1-800 328-5536
Fax: 1-651 686-9331
www.pattersoncompanies.com

Date Issued:
03/31/2014

SECTION II- COMPOSITION/INFORMATION on INGREDIENTS

Ingredient Name	Concentration
Alumina	99.9%
Silicone Dioxide	Balance

SECTION III- HAZARDS IDENTIFICATION

None

SECTION IV- FIRST AID MEASURES

First Aid for Eyes: Flush thoroughly with water. Consult a physician.

First Aid for Skin: Prolonged contact may cause irritations in sensitized persons.

First Aid for Inhalation: Move person to fresh air. Consult a physician.

First Aid for Ingestion: While ingestion of large enough quantities to cause health effects, consult a physician.

SECTION V- FIRE FIGHTING MEASURES

Flash Point: N/A

Flammable Limits

Upper Exposure Limit (UEL) %: N/A

Lower Exposure Limit (LEL) %: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

SECTION VI -ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Remove by mechanical means

SECTION VII - HANDLING and STORAGE

Storage Temperature (Min/Max): Ambient

Shelf Life: 5 years

Special Sensitivity: N/A

Handling/Storage Precautions: None

Other Notes: None

SECTION VIII - PERSONAL PROTECTION

Eye Protection Requirements: None

Skin Protection Requirements: None required

Ventilation Requirements: None

Respirator Requirements: None

Additional Protective Measures: None

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of this information whether originating from Patterson Companies, Inc., or not. User of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.

MATERIAL SAFETY DATA SHEET

SECTION IX- PHYSICAL and CHEMICAL PROPERTIES

Physical Form: Solid
Color:
Odor: Odorless
Boiling Point: High
Melting-Freezing Point: 1950°C
Solubility in Water: Insoluble
Specific Gravity: 0.90-0.91
Bulk Density: 1.01g/cm³ (in water=1 Approx.)
Percent Volatile by Volume: N/A
Vapor Pressure: N/A

SECTION X- STABILITY and REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibilities: None known
Instability Conditions: None known
Decomposition Products: By fire: carbon monoxide, carbon dioxide, styrene and hydrogen cyanide

SECTION XI - TOXICOLOGICAL INFORMATION

None

SECTION XII- ECOLOGICAL INFORMATION

None

SECTION XIII- DISPOSAL CONSIDERATIONS

Waste Disposal Method: In accordance with Federal, State or Local regulations

SECTION XIV - TRANSPORTATION INFORMATION

Technical Shipping Name: N/A
Freight Class Bulk: N/A
Freight Class Package: N/A
Product Label: N/A
Hazard Class or Division: Non-hazardous
Hazard Class Division Number: Not hazardous by DOT regulations

SECTION XV- REGULATORY INFORMATION

SARA Title III

Section 302 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: None
Section 313 Toxic Chemicals: None
RERA Status: Non-hazardous

SECTION XVI- OTHER INFORMATION

HMIS Ratings:	Health	Flammability	Reactivity
	0	0	0

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of this information whether originating from Patterson Companies, Inc., or not. User of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.