

1. PRODUCT AND COMPANY IDENTIFICATION

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Product Code: P
Product Name: P CERAMIC Media

Company Name: ROYSON
ENGINEERING
COMPANY
Phone Number: +1 (215)675-2800

Company address: 100 N. PENN ST
HATBORO,PA.
19040 USA

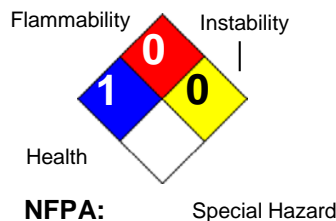
Emergency Contact: 1+ (215)-675-2801

Product type: Abrasive Stone

2. HAZARDS IDENTIFICATION

GHS Signal Word:
GHS Hazard Phrases: No phrases apply.
GHS Precaution Phrases: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
GHS Response Phrases: P314 - Get medical attention/advice if you feel unwell.
GHS Storage and Disposal Phrases: P501 - Dispose of contents/containers in accordance with local/regional/national/international regulations.

Hazard Rating System:



Potential Health Effects (Acute and Chronic): No hazard expected in normal industrial use. This material, as supplied, is significantly larger than 3-4 um and does not pose as respiration hazard unless the material is used in a manner that generates a dust. This material should not be used dry.

Inhalation: This product should not be used dry. Airborne concentrations of dusts or mists may cause irritation to the upper respiratory tract and lungs. Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies.

Skin Contact: Handling this material with bare hands can cause abrasions.

Eye Contact: It is possible for small fragments of this material or the work piece to be propelled from the work area and strike the eye.

Ingestion: Not a likely route of exposure. May be harmful if swallowed.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

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CAS #	Hazardous Components	Concentration
1344-28-1	Aluminum Oxide	70-80 %
7631-86-9	Silica	10-20 %
68476-25-5	Feldspar	0-10 %
1309-48-4	Magnesium Oxide	0-5 %
1302-78-9	Bentonite	0-5 %

Additional Composition Information

This product composition information is provided in the unlikely event that a dust is generated during the use of this product. In the material as supplied, these components are not readily available to create a respiration hazard

4. FIRST AID MEASURES

Emergency and First Aid Procedures:	None that are directly attributable to normal use of this material.
In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Get medical aid if irritation develops and persists.
In Case of Eye Contact:	Flush eyes with water as a precaution. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. This material, as supplied, is significantly larger than 3-4 um and does not pose as respiration hazard unless the material is used in a manner that generates a dust. This material should not be used dry.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA	Method Used:	Estimate
Explosive Limits:	LEL: No data.	UEL:	No data.
Autoignition Pt:	NA		
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Fire Fighting Instructions:	This material may burn when exposed to a fire situation. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.		
Flammable Properties and Hazards:	Fire conditions can result in the formation of carbon monoxide and carbon dioxide.		



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6. ACCIDENTAL RELEASE MEASURES

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Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.
Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Avoid dust formation. Avoid breathing dust. Collect for reuse or disposal if contaminated with foreign matter.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Precautions To Be Taken in Storing:

Other Precautions: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Do not ingest or inhale. Provide appropriate exhaust ventilation at places where dust is formed. This product should not be used dry. Material is heavy, use proper lifting techniques.

Keep container tightly closed in a dry and well-ventilated place.

Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7631-86-9	Silica	PEL: 8825 ppm/(%SiO ₂ +5)	TLV: 0.05 mg/m ³ (R)	No data.
1344-28-1	Aluminum Oxide	PEL: 8825 ppm/(%AL ₂ O ₃)	TLV: 0.05 mg/m ³ (R)	

Respiratory Equipment (Specify Type):	Use a NIOSH/MSHA approved respirator where dust may be generated.
Eye Protection:	Safety glasses.
Protective Gloves:	Handle with gloves.
Other Protective Clothing:	Not required under normal use conditions.
Engineering Controls (Ventilation etc.):	Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



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9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical States: Gas Liquid Solid

Appearance and Odor: Appearance: White. Solid. Varying size and shape.
NO Odor:.

Melting Point: **Explosive Limits:** LEL: No data.UEL: No data.
NA **Specific Gravity (Water = 1):** NA

Boiling Point: **Density:** NA
NA **Bulk density:** 100 LB/CF

Autoignition Pt: **Vapor Pressure (vs. Air or mm Hg):** NA
NA **Vapor Density (vs. Air = 1):** NA

Flash Pt: **Evaporation Rate:** NA
NA **Solubility in Water:** NA

Flash Pt: **Saturated Vapor Concentration:** NA
NA **Viscosity:** NA

Flash Pt: **pH:** NA
NA **Percent Volatile:** No data

10. STABILITY AND REACTIVITY

Method Used: Estimate

Stability: Unstable Stable

Conditions To Avoid - Instability: None known.

Incompatibility - Materials To Avoid: none

Hazardous Decomposition Or Byproducts: none

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid – Hazardous Reactions: No data available



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11. TOXICOLOGICAL INFORMATION

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Toxicological Information:

Epidemiology: no information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

Irritation or Corrosion:

No data available

Carcinogenicity/Other Information:

No data available.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

Carcinogenicity:

NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information available.
Physical: No information available.

Results of PBT and vPvB assessment:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:



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15. REGULATORY INFORMATION

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EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313(TRI)
1344-28-1	Aluminum Oxide	No	No	Yes
CAS #	Hazardous Components (Chemical Name)			
7631-86-9	Silica	No	No	No
CAS #	Hazardous Components (Chemical Name)			
68476-25-5	Feldspar	No	No	No
CAS #	Hazardous Components (Chemical Name)			
1309-48-4	Magnesium Oxide	No	No	No
CAS #	Hazardous Components (Chemical Name)			
1302-78-9	Bentonite	No	No	No

CAS # Hazardous Components (Chemical Name)

1344-28-1 Aluminum Oxide

CAS

7631-86-9 Silica

CAS

68476-25-5 Feldspar

CAS

1309-48-4 Magnesium Oxide

CAS

1302-78-9 Bentonite

Other US EPA or State Lists

TSCA: Yes- Inventory; CA PROP 65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes – 4016; NY Part 597: No; PA HSL: Yes – 1; SC TAP: No; WI Air: No

TSCA: Yes – Inventory: CA PROP 65: No; CA TAC, Title 8 TAC, Title 8: MA Oil/HazMat: MI CMR, Part 5: No; NC TAP No: NJ EHS: No; NY Part 597: No; PA HSL: Yes-1; SC TAP: No; WI Air: No

TSCA: Yes – Inventory; CA PROP 65: No; CA TAC, Title 8 No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

TSCA: Yes- Inventory; CA PROP 65: No; CA TAC, Title 8 No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No WI Air: No

TSCA: Inventory; CA PROP 65: No; CA TAC, Title 8 No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No WI Air: No



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16. OTHER INFORMATION

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**Revision
Date:**

NA

**Additional
information
About this
Product**

No data available

**Company
Policy or
Disclaimer**

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