

# SAFETY DATA SHEET

Product Identifier: Abrasive Impregnated or Nylon Filament Brushes

Current Revision Date: 12-30-2019



## 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier	Abrasive Impregnated or Nylon Filament Brushes
1.2 General Use	Cleaning, Deburring, and Finishing Metal Components
1.3 Manufacturer	Brush Research Manufacturing 4642 Floral Dr. Los Angeles, CA 90022 (323) 261-2193 info@brushresearch.com
1.4 Emergency Number	(323) 261-2193 8:00am to 4:30pm (PST)

## 2. HAZARD IDENTIFICATION

2.1 Classification	This product is classified as a manufactured article per 29 CFR 1910.1200. The use of this product will not result in exposure to hazardous substances under recommended normal conditions of use.
2.2 Label Elements	
Pictogram	None
Signal Word	None
2.3 Other Hazards	Build up of dusts should be avoided
2.4 Unknown Acute Toxicity	Not applicable

## 3. COMPOSITION / INGREDIENT INFORMATION

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

Inhalation	Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.
Skin Contact	Wash with soap and water. Seek medical advice if skin irritation develops.
Eye Contact	Flush with water for at least 15 minutes. Seek medical advice if irritation develops.
Ingestion	Seek medical attention.

### 4.2 Most important symptoms and effect; Acute and Delayed

Inhalation	Prolonged breathing of dusts may affect breathing capacity
Skin Contact	Dusts may cause irritation and abrasions
Eye Contact	Long term exposure to dusts may irritate or damage the eyes.
Ingestion	None under normal use

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## 4.3 Indication of any immediate medical needs or special treatment

No data available

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable extinguishing media      Water fog, carbon dioxide, foam, dry chemical. Evacuate personnel.

Unsuitable extinguishing media      None

### 5.2 Special hazards arising from the substance or mixture

Fire hazard      Combustion products may include, but are not limited to, carbon monoxide and carbon dioxide. Smoke may contain particles of the original material.

Explosion hazard      None known

### 5.3 Special protective equipment

Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel      Spilled material is a slipping hazard

For emergency responders      Spilled material is a slipping hazard

### 6.2 Environmental precautions

Do not discharge to streams, ponds, lakes, or sewers.

### 6.3 Methods and material for containment and cleaning up

Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Sweep to prevent slipping hazard. Non-sparking tools should be used.

### 6.4 Reference to other sections

Refer to Section 8 for personal protective equipment and Section 13 for proper disposal

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Minimize the generation and accumulation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions                      Store in a cool, dry place. Keep in an area equipped with sprinklers.

Incompatibilities                        No additional information is available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Permissible exposure limits

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012. Therefore, the OSHA general guidelines for dust producing operations should apply.

OSHA PEL	5 mg/m <sup>3</sup>	8 hr. TWA Respirable
OSHA PEL	15 mg/m <sup>3</sup>	8 hr. TWA Total Dust
ACGIH TLV	3 mg/m <sup>3</sup>	TWA Respirable
ACGIH TLV	10 mg/m <sup>3</sup>	TWA Inhalable

### 8.2 Engineering controls

Utilize adequate ventilation to maintain the concentration of contaminants below the occupational exposure limits.

### 8.3 Respiratory protection

Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled. A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respirator use. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer. Consult the OSHA respiratory protection information located at 29CFR 1910.134. Use a positive pressure air supplied respirator if exposure levels are not known or there are any other circumstances where air purifying respirators may not provide adequate protection.

### 8.4 Hand protection

Gloves should be worn when using this product.

### 8.5 Eye protection

Safety goggles or face shield over safety glasses with side shields.

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## 8.6 Hearing protection

Select and use hearing protection in accordance with applicable regulations in areas that exceed occupational exposure limits.

## 8.7 Skin and body protection

Protective clothing may be required to prevent contamination of personal clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid	Lower Flammable Limit	No data available
Odor	Odorless	Vapor Pressure	N/A
Odor Threshold	N/A	Vapor Density	N/A
pH	N/A	Specific Gravity	>1
Melting Point	>200° C (392° F)	Relative vapor density at 20° C	N/A
Freezing Point	No data available	Solubility in H2O	Insoluble
Boiling Point	N/A	Partition Coefficient (n-octanol/water)	Not determined
Flash Point	N/A	Auto-Ignition Temperature	No data available
Evaporation Rate	N/A	Decomposition Temperature	>190° C
Flammability	No data available	Viscosity	N/A
Upper Flammable Limit	No data available		

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable at normal ambient temperature and pressure

### 10.2 Chemical stability

Stable at normal ambient temperature and pressure

### 10.3 Possibility of hazardous reactions

Will not occur

### 10.4 Conditions to avoid

Temperatures > 190° C (>374° F). Thermal decomposition of the resin accelerates above temperature listed. Decomposition can occur below the recommended processing temperature limit. Decomposition is a function of both processing temperature and time at that temperature.

### 10.5 Incompatible materials

Strong acids and bases; Strong oxidizing agents

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## 10.6 Hazardous thermal decomposition products

Hazardous thermal decomposition products may include: Aldehydes, Nitrogen oxides (NO<sub>x</sub>), traces of hydrogen cyanide, Ammonia, Carbon monoxide, Carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

No data is available on the product itself. The product as sold is not expected to be hazardous when used under recommended normal conditions.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No additional information is available. Toxicity is expected to be low based in insolubility in water.

### 12.2 Persistence and degradability

No data is available. Persistence and degradability are expected to be low based in insolubility in water.

### 12.3 Bio-accumulative potential

No data is available. Bio-accumulative potential is expected to be low based in insolubility in water.

### 12.4 Mobility in soil

No data is available. Mobility in soil is expected to be low based in insolubility in water.

### 12.5 Other adverse effects

Effect on the ozone layer                      No data is available.

Effect on global warming                      No data is available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Disposal recommendations

Dispose of container/contents in accordance with local/regional/national/international regulations.

## 14. TRANSPORT INFORMATION

### 14.1 DOT / ADR / IATA / IMDG Regulations

Not regulated

### 14.2 UN Number

N/A

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## 14.3 UN Proper Shipping Name

N/A

## 14.4 Transport Class

N/A

## 14.5 Packing Group

N/A

## 14.6 Marine Pollutant

N/A

## 14.7 Special Precautions

N/A

## 15. REGULATORY INFORMATION

### TSCA

In compliance with TSCA inventory requirements for commercial purposes

### SARA

Section 313 All chemical components are below threshold values

Section 355 Not Listed

### State Specific Listings

Filament Type	Ingredient	CAS Number	Hazardous Substance List		Prop 65*
			PA	NJ	CA
Silicon Carbide	Silicon Carbide	409-21-2	x	x	
Silicate	Silicon Carbide	409-21-2	x	x	
Diamond	Silicon Carbide	409-21-2	x	x	
Ceramic	None listed				
Aluminum Oxide	Aluminum Oxide	1344-28-1	x	x	x
	CI Pigment Red 101	1309-37-1	x	x	
	Titanium Dioxide	13463-67-7	x	x	
	Silicon Dioxide	7631-86-9	x	x	
Polymer Matrix	None listed				
Nylon 6-12	None listed				

\* "WARNING: This product contains detectable amounts of a chemical (s) known to the State of California to cause cancer and/or birth defects or other reproductive harm."

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## 16. OTHER INFORMATION

To the best of our knowledge, the information contained in this SDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

Prepared by:

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