

SAFETY DATA SHEET By B-RT Co.,Ltd.

1: DESCRIPTIONS OF PRODUCT RELATED RAW MATERIALS:

1.1 Name and performance-Silicon carbide abrasive nylon roller brush / abrasive nylon bristle for cleaning / grinding / bursting / polishing of specific object surfaces.

1.2 Manufacturer: Anhui Ritong Brush-Making Co., Ltd

No.1, North and South Avenue, Yuantan Industrial Park, Qianshan City, Anqing City, Anhui Province

1.3 Emergency contact information: ph. 330.259.9009

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

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

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 ³	8 hr. TWA	Respirable
OSHA PEL	15 mg/m ³	8 hr. TWA	Total Dust
ACGIH TLV	3 mg/m ³		TWA Respirable
ACGIH TLV	10 mg/m ³		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.

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

SIC- # 80- ϕ 1.10mm-N6 and SIC- # 240- ϕ 0.80mm-N6 bent, made from nylon PA6 added silicon carbide scrub spinning, composition: 72% \pm 3% nylon, 28% \pm 3% frosted.

Brush diameter # 240 is confirmed by coarse (including) QB enterprise standard and / or reference sample \pm 8%

Straight degree 100 mm QB enterprise standard 20 mm Pull the broken force

ϕ 8.00 mm to coarse QB enterprise standard 20.0 N

ϕ 0.50-0.70 mm QB Enterprise Standard 15.0 N

Water absorption rate 100% RH QB enterprise standard PA612:3-4%, N610:4-5%
Re attack rate QB enterprise standard >80%

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

10.2 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.

10.3 Incompatible materials

Strong acids and bases; Strong oxidizing agents

10.4 Hazardous thermal decomposition products

Hazardous thermal decomposition products may include: Aldehydes, Nitrogen oxides (NOx), 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. 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: **Robert Kundel Jr. CEO, Tool Division**

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