**Textile Buff & Wheel Co.**

**Buffing Wheels**

**Safety Data Sheet**

Product Distributed by Rio Grande

SDS access on web: www.riogrande.com

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

Product name: Buffing Wheels

**1.2. Relevant Identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture: Manufacturing

**1.3. Details of the supplier of the safety data sheet**

Textile Buff & Wheel Company

511 Medford Street

Charlestown, MA 02129

617-241-8100

**1.4. Emergency telephone number**

Emergency number

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

This product as manufactured is defined as an article per 29 CFR 1910.1200. No exposure hazards are anticipated during normal product handling conditions. In most cases, the material(s) removed from the workpiece may present a greater hazard than material released by the product. Based upon the materials that are contained within the working portion of this product it is possible that some dust particles from this product may be generated. The following safety data is presented for potential exposure hazards as associated with the dust particles that are related to this product.

Classification (GHS-US)

Not classified

**2.2. Label elements**

GHS-US labeling

This product as manufactured is defined as an article, therefore no labeling is required for the product as manufactured.

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**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

Buffing wheels are made using a variety of woven cotton sheetings or blends of woven cotton polyester fibers. In the finishing field they serve two main functions: 1) to carry the abrasive particles, formulated in the buffing compound, across the work surface in order to perform a cutting, deburring or coloring action; 2) where required to generate sufficient frictional heat to permit plastically flowing or burnishing the work to a smooth surface. It is to perform these two principal functions that buffing wheels are produced in a range of designs, buffing fabrics and constructions. The nature and shape of the work piece and the ultimate finish desired dictates the styles best suited for a particular application. To functionally impart hardness and improve performance, dip treating solutions may be added to bind the fibers more tightly together. The treating solutions are water based emulsions, formulated using polyvinyl adhesives, vegetable waxes and resins not considered or known to be hazardous or toxic.

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**First-aid measures after inhalation**

Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

**First-aid measures after skin contact**

Wash with soap and water. Seek medical advice if skin irritation develops or persists.

**First-aid measures after eye contact**

Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists. Seek medical attention.

**First-aid measures after ingestion**

**4.2. Most Important symptoms and effects, both acute and delayed**

Symptoms/injuries after inhalation: Dusts may cause coughing, shortness of breath. Prolonged breathing of dusts may affect breathing capacity.
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Symptoms/injuries after skin contact: Irritation of the skin may occur due to mechanical/chemical action or dermatitis reaction.
Symptoms/injuries after eye contact: Dust or buffing debris may irritate or damage the eyes without protection.
Symptoms/injuries after ingestion: None under normal use. May cause gastrointestinal disturbances, constipation or diarrhea if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media: Use carbon dioxide, dry chemical, or water fog
Unsuitable extinguishing media: None.
5.2. Special hazards arising from the substance or mixture
Fire hazard: None
Explosion hazard: None known.
5.3. Advice for firefighters
Protection during firefighting: Firefighters should wear full protective gear. Treat buffing dust, dirt and debris as an oil fire.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
No additional information available
6.1.2. For emergency responders
No additional information available
6.2. Environmental precautions
None.
6.3. Methods and material for containment and cleaning up
For containment: No special measures required.
Methods for cleaning: No special measures required.
up
6.4. Reference to other sections

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Handle with adequate ventilation for nuisance dust. Avoid running buffing wheels dry and without frequent compound application as needed to prevent rapid deterioration, fraying, potential scorching, yellowing and burning
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: No special storage conditions required.
7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection
8.1 Control parameters

<table>
<thead>
<tr>
<th>Buffing Wheels</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection: Wear heavy duty work gloves for hand protection.
Eye protection: Safety glasses or face shield.
Skin and body protection: Wear suitable working clothes.
Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Wheel with woven cotton or polyester sheeting/fibers.</td>
</tr>
<tr>
<td>Color</td>
<td>Variable</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=t)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
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<tr>
<td>Vapor pressure</td>
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<tr>
<td>Specific gravity</td>
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<tr>
<td>Relative vapor density at 20°C</td>
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</tr>
<tr>
<td>Solubility</td>
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<tr>
<td>Log Pow</td>
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<tr>
<td>Log Kow</td>
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<tr>
<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
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Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility In soil
No additional information available

12.5. Other adverse effects
Effect on ozone layer
Effect on the global warming
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not a dangerous good as defined in transport regulations

SECTION 15: Regulatory information

15.1. US Federal regulations
No additional information available

15.2. US State regulations
No additional information available

SECTION 16: Other information

This information is for the following part numbers:

330013  330058  330173  330526  330561
330014  330059  330174  330507
330021  330076  330175  330508
330027  330104  330176  330504
330030  330105  330177  330536
330033  330106  330324  330537
330036  330107  330325  330538
330038  330108  330327  330560
330045  330109  330328  330551
330046  330120  330329  330552
330047  330129  330353  330553
330048  330140  330354  330704
330049  330141  330371  330705
330050  330142  330372  330706
330051  330143  330373  330707
330052  330144  330374  330708
330053  330145  330375  330709
330054  330146  330376  330710
330055  330147  330377  330711
330056  330148  330378  330712

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