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Revision Number 1

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier**

**Product Name** Brown Tripoli Buffing Wheel Compound  
**Other means of identification** 515-6250 #11, 515-6260 #22, 62517, 62513, KX-10145C  
**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Abrasive / Buffing Compound  
**Uses advised against** No information available

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

**Supplier Name** Formax Mfg. Corporation  
**Supplier Address** 168 Wealthy St.S.W.  
Grand Rapids  
MI  
49503  
US  
**Supplier Phone Number** Phone:1-616-456-5458  
Fax:1-616-456-7507  
Contact Phone1-616-456-7507  
**Supplier Email** sales@formaxmfg.com  
**Emergency telephone number**

**2. HAZARDS IDENTIFICATION****Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**GHS Label elements, including precautionary statements****Emergency Overview**

**Signal word** None

**Hazard Statements**

None

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Brown**Physical State** Solid**Odor** Fatty Odor**Precautionary Statements - Prevention**

Obtain special instructions before use

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

None

**Other information**

May cause slight eye irritation

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name  | CAS No     | Weight-% | Trade Secret |
|----------------|------------|----------|--------------|
| Silica Tripoli | 1317-95-9  | 45-60    | *            |
| Stearic Acid   | 57-11-4    | 16-30    |              |
| Petrolatum     | 8009-03-8  | 4-10     | *            |
| Quartz         | 14808-60-7 | 4-10     |              |
| Carbon Black   | 1333-86-4  | 0-5      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures****Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

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|                     |  |
|---------------------|--|
| <b>Skin Contact</b> | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| <b>Inhalation</b>   | Remove to fresh air. If symptoms persist, call a physician.  |
| <b>Ingestion</b>    | Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.                |

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

|                                  |
|----------------------------------|
| <b>5. FIRE-FIGHTING MEASURES</b> |
|----------------------------------|

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes.

### Environmental Precautions

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name               | ACGIH TLV                    | OSHA PEL   | NIOSH IDLH   |
|-----------------------------|------------------------------|--|--|
| Carbon black<br>1333-86-4   | TWA: 3.5 mg/                 | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup> | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup> |
| Silica-tripoli<br>1317-95-9 | TWA: 0.025 mg/m <sup>3</sup> | (vacated) TWA: 0.1 mg/m <sup>3</sup>                               | IDLH: 50 mg/m <sup>3</sup><br>TWA: 0.05 mg/m <sup>3</sup>                                |
| Quartz<br>14808-60-7        | TWA: 0.025 mg/m <sup>3</sup> | (vacated) TWA: 0.1 mg/m <sup>3</sup>                               | IDLH: 50 mg/m <sup>3</sup><br>TWA: 0.05 mg/m <sup>3</sup>                                |
|                             |                              |  |  |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      For buffing machines wear safety glasses and/or face shield helmets. See OSH 29 CFR 1910.122 (Safety Glasses).

**Skin and Body Protection**                Protective work clothing, heavy duty gloves, body apron or belly pads, safety shoes as needed.

**Respiratory Protection**                    Respiratory protection (specify type): OSHA 24 CFR/134 NIOSH/MSHA Approved respirators for particulates from buffing debris. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hearing Protection**                        Avoid prolonged excessive noise levels created by buffing and polishing operations. See: OSHA 29 CFR 1910.215 (Hearing Protection)

**Hygiene Measures**                         Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

|   |                      |                               |                          |
|---|----------------------|-------------------------------|--------------------------|
| <b>Physical State</b>                         | Solid                | <b>Odor</b>                   | Fatty Odor               |
| <b>Appearance</b>                             | Premolded Cake Form  | <b>Odor Threshold</b>         | No information available |
| <b>Color</b>                                  | Brown                |                               |                          |
| <b><u>Property</u></b>                        | <b><u>Values</u></b> | <b><u>Remarks/ Method</u></b> |                          |
| <b>pH</b>                                     | No data available    | None known                    |                          |
| <b>Melting / freezing point</b>               | 125F/145F            | None known                    |                          |
| <b>Boiling point / boiling range</b>          | Over 300F            | None known                    |                          |
| <b>Flash Point</b>                            | ➤ 350F               | None known                    |                          |
| <b>Evaporation Rate</b>                       | Nil                  | None known                    |                          |
| <b>Flammability (solid, gas)</b>              | No data available    | None known                    |                          |
| <b>Flammability Limit in Air</b>              |                      |                               |                          |
| <b>Upper flammability limit</b>               | No data available    |                               |                          |
| <b>Lower flammability limit</b>               | No data available    |                               |                          |
| <b>Vapor pressure</b>                         | No data available    | None known                    |                          |
| <b>Vapor density</b>                          | No data available    | None known                    |                          |
| <b>Specific Gravity</b>                       | No data available    | None known                    |                          |
| <b>Water Solubility</b>                       | Negligible           | None known                    |                          |
| <b>Solubility in other solvents</b>           | No data available    | None known                    |                          |
| <b>Partition coefficient: n-octanol/water</b> | No data available    | None known                    |                          |
| <b>Autoignition temperature</b>               | No data available    | None known                    |                          |
| <b>Decomposition temperature</b>              | No data available    | None known                    |                          |
| <b>Kinematic viscosity</b>                    | No data available    | None known                    |                          |
| <b>Dynamic viscosity</b>                      | No data available    | None known                    |                          |
| <b>Explosive properties</b>                   | No data available    |                               |                          |
| <b>Oxidizing Properties</b>                   | No data available    |                               |                          |

**Other Information**

**Softening Point**                              No data available

VOC Content (%) No data available  
 Particle Size No data available  
 Particle Size Distribution

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Using under conditions of insufficient dust collecting systems or ventilation.

### Incompatible materials

Strong Oxidizers or Reducing Agents.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye Contact** Specific test data for the substance or mixture is not available.

**Skin Contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

### **Component Information**

| Chemical Name | Oral LD50           | Dermal LD50           | Inhalation LC50 |
|---------------|---------------------|-----------------------|-----------------|
| Carbon black  | 15400 mg/kg ( Rat ) | 3 g/kg ( Rabbit )     | -               |
| Petrolatum    |                     | 3600 mg/kg ( Rabbit ) |                 |
| Quartz        | 500 mg/kg ( Rat )   |                       |                 |

### Information on toxicological effects

**Symptoms** No information available.

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

| Chemical Name | ACGIH | IARC     | NTP          | OSHA     |
|---------------|-------|----------|--------------|----------|
| Carbon Black  |       | Group 2B |              | <b>X</b> |
| Quartz        |       | Group 1  | <b>Known</b> | <b>X</b> |

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity**

This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product. Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

**Target Organ Effects**

Eyes. Respiratory system. Skin. Lungs.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea)        |
|---------------|-------------------|------------------|----------------------------|-----------------------------------|
| Carbon black  |                   |                  |                            | EC50 24 h Daphnia magna >5600mg/L |

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.





DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (Clean Water Act)

This product does not contains any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name | CAS-No     | California Prop. 65 |
|---------------|------------|---------------------|
| Carbon black  | 1333-86-4  | Carcinogen          |
| Quartz        | 14808-60-7 | Carcinogen          |

#### U.S. State Right-to-Know Regulations

| Chemical Name  | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------|------------|---------------|--------------|--------------|----------|
| Carbon Black   | X          | X             | X            | X            | X        |
| Silica-Tripoli | X          | X             | X            | X            |          |
| Quartz         | X          | X             | X            | X            |          |

### International Regulations

**Mexico** Grade Slight risk Grade 1

#### **National occupational exposure limits**

| Component      | Carcinogen Status | Exposure Limits   |
|----------------|-------------------|---|
| Carbon Black   |                   | Mexico: TWA= 3.5 mg/m <sup>3</sup><br>Mexico: STEL= 7 mg/m <sup>3</sup> |
| Silica-Tripoli |                   | Mexico: TWA= 0.1 mg/m <sup>3</sup>                                      |
| Quartz         |                   | Mexico: TWA= 0.1 mg/m <sup>3</sup>                                      |

*Mexico - Occupational Exposure Limits - Carcinogens*

#### **Canada**

#### **WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

|             |                       |   |                     |   |                        |   |                                      |   |
|-------------|-----------------------|---|---------------------|---|------------------------|---|--------------------------------------|---|
| <b>NFPA</b> | <b>Health Hazards</b> | 1 | <b>Flammability</b> | 0 | <b>Instability</b>     | 0 | <b>Physical and Chemical Hazards</b> | - |
| <b>HMIS</b> | <b>Health Hazards</b> | 1 | <b>Flammability</b> | 0 | <b>Physical Hazard</b> | 0 | <b>Personal Protection</b>           | X |

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**Revision Note**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Precautions to be taken in handling and storing: Handle with adequate ventilation for nuisance dust when using. See OSHA 29 CFR 1910.24 (Ventilation) and 29 CFR 1910.1000 (Air Contaminants). Other precautions: Keep liquids from freezing. Store away from excessive heat. The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Formax Mfg. makes no warranty with respect to the accuracy of the information or the suitability of the recommendation, and assumes no liability to any user thereof.

**End of Safety Data Sheet**