



# SAFETY DATA SHEET

SDS NO. SK-515-555

## 1. IDENTIFICATION OF THE SUBSTANCE/ PEREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Identifier** SK-515-555  
**Product Name** Micro Finishing Wheel and Compound Buffing Kit  
**Other means of identification**  
**Synonyms** None

### Recommended use of the chemical and restriction on use

**Recommended Use** Abrasive/ Buffing and Polishing  
**Uses advised against** No information Available

### Details of the supplier of the safety data sheet

**Supplier Name** Formax Mfg. Corporation  
**Supplier Address** 168 Wealthy Street S.W.  
Grand Rapids  
MI  
49503  
USA  
**Supplier Phone Number** Phone: 1-616-456-5458  
Fax: 1-616-456-7507  
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**Supplier Email** [sales@formaxmfg.com](mailto:sales@formaxmfg.com)

## 2. HAZARDS IDENTIFICATION

### Classification

This item is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
This product contains four (4) different grades of buffing compound and three (3) different types of buffing wheels intended for buffing metals and plastics.

### GHS Label elements, including precautionary statement

**Signal Word** EMERGENCY OVERVIEW  
None  
**Hazard Statement** None

The products/products contain no substances which at their given concentration are considered to be hazardous to health.

**Appearance:** Premolded Cake Form & Textile (Various Stiffness)      **Physical State:** Solid      **Odor:** Tallow Odor / Bland

**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.

**Interaction with other chemicals**

No information available

**3. COMPOSITION / INFORMATION ON INGREDIENTS.**

**Cut Down Compound**

| <b>Chemical Name</b> | <b>CAS No.</b> | <b>%</b> |
|----------------------|----------------|----------|
| Aluminum Oxide       | 1344-28-1      | 70-80    |
| Steric Acid          | 57-11-4        | 15-20    |
| Tallow               | 129521-65-9    | 3-7      |
| Petrolatum           | 8009-03-8      | 0-5      |
| Carbon Black         | 1333-86-4      | 0-5      |

**High Shine Rouge**

| <b>Chemical Name</b> | <b>CAS No.</b> | <b>%</b> |
|----------------------|----------------|----------|
| Aluminum Oxide       | 1344-28-1      | 68-75    |
| Stearic Acid         | 57-11-4        | 15-20    |

**Buffing Wheels**

| <b>Chemical Name</b>   | <b>CAS No.</b> | <b>%</b> |
|--|----------------|----------|
| There are no OSHA hazard communication standards applicable to the product |                |          |
| Cotton   | -              | -        |
| Sisal  | -              | -        |

**4. FIRST AID MEASURES**

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.  
Skin Contact: Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.  
Inhalation: Remove to fresh air. If symptoms persist, call a physician.  
Ingestion: Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effect, both acute and delayed

Most important symptoms and effect No information available

Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

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

| <b>Exposure Guidelines: Hazardous Component</b> | <b>OSHA PEL</b>   | <b>ACGIH TLV</b>                                     |
|---|---|--|
| Tallow  | None Established  | None Established                                     |
| Petrolatum                                      | 5 mg/m <sup>3</sup> TWA   | 5 mg/m <sup>3</sup> TWA<br>10 mg/m <sup>3</sup> STEL |
| Aluminum oxide                                  | 15 mg/m <sup>3</sup> TWA (total dust)<br>5 mg/m <sup>3</sup> TWA (respirable) | 1 mg/m <sup>3</sup> TWA<br>(respirable) (as Al)      |

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

|                |   |                |                          |
|----------------|---|----------------|--------------------------|
| Physical State | Solid   | Odor           | Fatty Odor / Bland       |
| Appearance     | Premolded Cake Form & Textile (Various Stiffness) | Odor Threshold | No information available |
| Color          | Black, White                                      |                |                          |

| Property                              | Values            | Remarks/ Method |
|---------------------------------------|-------------------|-----------------|
| pH                                    | No data available | None known      |
| Melting / freezing point              | 120F/140F         | None known      |
| Boiling point / boiling range         | No data available | None known      |
| Flash Point                           | No data available | None known      |
| Evaporation Rate                      | Nil               | None known      |
| Flammability (solid, gas)             | No data available | None known      |
| Flammability Limit in Air             |                   |                 |
| Upper flammability limit              | No data available |                 |
| Lower flammability limit              | No data available |                 |
| Vapor pressure                        | No data available | None known      |
| Vapor density                         | No data available | None known      |
| Specific Gravity                      | No data available | None known      |
| Water Solubility                      | Negligible        | None known      |
| Solubility in other solvents          | No data available | None known      |
| Partition coefficient n-octanol/water | No data available | None known      |
| Autoignition temperature              | No data available | None known      |
| Decomposition temperature             | No data available | None known      |
| Kinematic viscosity                   | No data available | None known      |
| Dynamic viscosity                     | No data available | None known      |
| Explosive properties                  | No data available |                 |
| Oxidizing Properties                  | 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 |
| Aluminum oxide<br>1344-28-1 | > 5000 mg/kg ( Rat ) | -           | -               |

### Information on toxicological effects

Symptoms No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

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.

| Chemical Name | ACGIH | IARC     | NTP | OSHA |
|---------------|-------|----------|-----|------|
| Carbon black  |       | Group 2B |     | X    |
|               |       |          |     |      |

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

Target Organ Effects Eyes. Respiratory system. Skin.

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied. Carcinogenic potential is unknown.

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.

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods                      Disposal methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging    Dispose of contents/containers in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

|          |                      |  |
|----------|----------------------|--|
| DOT      |                      | NOT REGULATED  |
|          | Proper Shipping Name | NMFC-48580 Scouring Compound (Cake, Paste or Liquid form N.O.I.)<br>Polishing Wheels 14924009/cic-70 |
|          | Hazard Class         | N/A  |
| TDG      |                      | Not regulated  |
| MEX      |                      | Not regulated  |
| ICAO     |                      | Not regulated  |
| IATA     |                      | Not regulated  |
|          | Proper Shipping Name | NON REGULATED  |
|          | Hazard Class         | N/A  |
| IMDG/IMO |                      | Not regulated  |
|          | Hazard Class         | N/A  |
| RID      |                      | Not regulated  |
| ADR      |                      | Not regulated  |
| ADN      |                      | Not regulated  |

## 15. REGULATORY INFORMATION

### International Inventories

|      |  |
|------|--|
| TSCA | Complies   |
| DSL  | All components are listed either on the DSL or NDSL. |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
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          |

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

| Chemical Name  | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------|------------|---------------|--------------|--------------|----------|
| Carbon Black   | X          | X             | X            | X            | X        |
| Aluminum Oxide | 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> |

Mexico - Occupational Exposure Limits - Carcinogens

#### Canada

WHMIS Hazard Class  
Non-controlled

## 16. OTHER INFORMATION

#### NFPA

Health Hazards 1 Flammability 0 Instability 0 Physical and Chemical Hazards -

#### HMIS

Health Hazards 1 Flammability 0 Physical Hazard 0 Personal Protection X

#### Prepared By

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#### Revision Date

01-Jan-2018

#### 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.