



# SAFETY DATA SHEET

MSDS NO. SD-29-E RED

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

### Product Identifier

**Product Name** Red Rouge Polishing Compound  
**Other means of identification** 515-6252 #51, 515-6162 #61, 62519, 62515, 515-6121 #J-49, 515-6122 #J50, KX-10145D  
**Synonyms** None  
**Recommended use of the chemical and restriction 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 Street S.W.  
Grand Rapids  
MI  
49503  
USA  
**Supplier Phone Number** Phone: 1-616-456-5458  
Fax: 1-616-456-7507  
Contact Phone: 1-616-456-5458  
**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)  
Formax polishing & buffing compounds are formulated with abrasives surrounded in a matrix of grease binders, waxes and or soap / water emulsions. Ingredient ratio proportions can be and are varied to meet individual buffing needs and surface conditioning.  
Buffing compounds as shipped do not present a hazard.  
Buffing operations may cause lint and abrasive residue particulates to be created. Proper ventilation and respirator recommended.

### **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 **Physical State:** Solid **Odor:** Tallow 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.

## Interaction with other chemicals

No information available

### 3. COMPOSITION / INFORMATION ON INGREDIENTS.

#### Red Rouge

Chemical Name	CAS No.	%
Aluminum Oxide	1344-28-1	68-75
Stearic Acid	57-11-4	15-20
Iron Oxide	1309-37-1	8-15
Tallow	61789-97-7	5-15

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

### 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

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

Physical State	Solid	Odor	Fatty Odor
Appearance	Premolded Cake Form	Odor Threshold	No information available
Color	Red		

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 1344-28-1	> 5000 mg/kg ( Rat )	-	-
Iron oxide 1309-37-1	> 10000 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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Iron oxide 1309-37-1		Group 3		

IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects	Eyes. Respiratory system. Skin.
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.

## 14. TRANSPORT INFORMATION

DOT	NOT REGULATED
Proper Shipping Name	NMFC-48580 Scouring Compound (Cake, Paste or Liquid form N.O.I.)
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 contains 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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Aluminum oxide	1344-28-1		1.0

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 contain 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

 **WARNING:** This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Aluminum oxide 1344-28-1	X	X	X	X	
Iron oxide 1309-37-1	X	X	X		

International Regulations

**Mexico Grade**

**National occupational exposure limits**

**Component**

**Carcinogen Status**

**Slight risk Grade 1**

**Exposure Limits**

Aluminum oxide  
1344-28-1  
Iron oxide  
1309-37-1

Mexico: TWA= 10 mg/m3  
  
Mexico: TWA 5 mg/m3  
Mexico: STEL 10 mg/m3

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 -
HMS	Health Hazards 1	Flammability 0	Physical Hazard 0	Personal Protection X

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### 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.