

## Safety Data Sheet

### Section 1: Identification

#### Product identifier

**Product Name** • **Green Rouge**

#### Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** • Consult manufacturer for the recommended product use.

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

**Manufacturer** • Thunderbird Supply Corp  
1907 W. 66 Ave.  
Gallup, NM 87301  
United States

**Telephone (General)** • 1-505-722-4323

#### Emergency telephone number

**Manufacturer** • 1-800-424-9300

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

**OSHA HCS 2012** • Skin Irritation 2  
Specific Target Organ Toxicity Repeated Exposure 2

#### Label elements

**OSHA HCS 2012**

#### WARNING



**Hazard statements** • Causes skin irritation  
May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statements

**Prevention** • Do not breathe dust.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • If on skin: Wash with plenty of water .  
Specific treatment, see supplemental first aid information.  
Take off contaminated clothing and wash before reuse.  
If skin irritation occurs: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations.

## Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Chromium(III) oxide	CAS:1308-38-9	79.2% TO 85%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs, Liver, Kidney, Inhl)	NDA
Stearic acid	CAS:57-11-4	15% TO 20%	NDA	OSHA HCS 2012: Skin Irrit. 2	NDA

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.

#### Skin

- Wash skin with soap and water. Wash contaminated clothing before reuse. If irritation develops and persists, get medical attention.

#### Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Get medical attention.

#### Ingestion

- Rinse mouth. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Obtain medical attention immediately if ingested.

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

- Refer to Section 11 - Toxicological Information.

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

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • NFPA Class B (carbon dioxide or foam) for surrounding fire.

#### Unsuitable Extinguishing Media

- Water spray may be ineffective on fire, use fog nozzles if water is used.

### Special hazards arising from the substance or mixture

#### Unusual Fire and Explosion Hazards

- Closed containers may rupture if exposed to extreme heat.

#### Hazardous Combustion

- No data available

**Products****Advice for firefighters**

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Use water spray to cool closed containers.

**Section 6 - Accidental Release Measures****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- Wear appropriate personal protective equipment. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures**

- As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away.

**Environmental precautions**

- Avoid run off to waterways and sewers.

**Methods and material for containment and cleaning up****Containment/Clean-up Measures**

- Avoid generating dust.  
SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.  
LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading.

**Section 7 - Handling and Storage****Precautions for safe handling****Handling**

- Use only with adequate ventilation. Minimize dust generation and accumulation. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities****Storage**

- Keep container tightly closed. Do not store above 49 C/120 F Store upright when not in use to prevent leakage.

**Section 8 - Exposure Controls/Personal Protection****Control parameters**

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Chromium(III) oxide	TWAs	0.5 mg/m <sup>3</sup> TWA (as Cr) <i>as Chromium (III) inorganic compounds</i>	0.5 mg/m <sup>3</sup> TWA (as Cr) <i>as Chromium(III) compounds</i>	0.5 mg/m <sup>3</sup> TWA (as Cr) <i>as Chromium(III) compounds</i>

**Exposure controls****Engineering Measures/Controls**

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).

**Personal Protective Equipment****Respiratory**

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA

respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face**

- Wear safety goggles.

**Skin/Body**

- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

**Environmental Exposure Controls**

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Green, odorless powder.
Color	Green	Odor	Odorless
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	5 to 7
Specific Gravity/Relative Density	= 5.2 @ 60 °F (15.5556 °C) Water=1	Water Solubility	Negligible
Viscosity	No data available		
<b>Volatility</b>			
Vapor Pressure	0 mmHg (torr) @ 20 °C(68 °F)	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0 %
VOC (Vol.)	0 %		
<b>Flammability</b>			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

**Reactivity**

- No dangerous reaction known under conditions of normal use.

**Chemical stability**

- Stable under normal temperatures and pressures.

**Possibility of hazardous reactions**

- Hazardous polymerization will not occur.

**Conditions to avoid**

- No data available

## Incompatible materials

- None known.

## Hazardous decomposition products

- None known.

## Section 11 - Toxicological Information

### Information on toxicological effects

		Components
Stearic acid (15% TO 20%)	57-11-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 4600 mg/kg; Skin-Rabbit LD50 • >5 g/kg; <b>Irritation:</b> Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; <b>Mutagen:</b> DNA damage • Unreported Route-Human • Liver (Somatic cell) • 10 mg/L 20 Hour(s); <b>Tumorigen / Carcinogen:</b> Implant-Mouse TDLo • 400 mg/kg; <i>Tumorigenic:</i> <b>Equivocal tumorigenic agent by RTECS criteria; Kidney, Ureter, and Bladder: Tumors</b>
Chromium(III) oxide (79.2% TO 85%)	1308-38-9	<b>Acute Toxicity:</b> Ingestion/Oral-Mammal LD50 • 621 mg/kg; <b>Multi-dose Toxicity:</b> Inhalation-Rat TCLo • 150 mg/m <sup>3</sup> 45 Day(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i> <b>Emphysema; Liver: Fatty liver degeneration; Kidney, Ureter, and Bladder: Changes in tubules (including acute renal failure, acute tubular necrosis);</b> <b>Mutagen:</b> Mutation in microorganisms • Unreported Route-Salmonella typhimurium • 10 µg/plate (+S9); <b>Tumorigen / Carcinogen:</b> Intratracheal-Rat TDLo • 90 mg/kg; <i>Tumorigenic:</i> <b>Equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration: Tumors; Tumorigenic: Tumors at site of application</b>

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • No data available
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2

## Potential Health Effects

### Inhalation

#### Acute (Immediate)

- Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

#### Chronic (Delayed)

- May cause damage to lungs, liver, kidneys through prolonged or repeated exposure.

### Skin

#### Acute (Immediate)

- Causes skin irritation.

#### Chronic (Delayed)

- No data available

### Eye

#### Acute (Immediate)

- Exposure to dust may cause mechanical irritation. Excessive concentrations of

nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

**Chronic (Delayed)**

- No data available

**Ingestion**

**Acute (Immediate)**

- Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**Chronic (Delayed)**

- No data available

**Key to abbreviations**

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

## Section 12 - Ecological Information

### Toxicity

- No mammalian or aquatic environmental information is available on this product.

### Persistence and degradability

- This product is completely biodegradable.

### Bioaccumulative potential

- Bioaccumulation of this product has not been determined.

### Mobility in Soil

- Mobility of this material has not been determined.

### Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### Waste treatment methods

**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Hazard Classifications** • Acute, Chronic

Inventory		
Component	CAS	TSCA
Chromium(III) oxide	1308-38-9	Yes
Stearic acid	57-11-4	Yes

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed
<b>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</b>		
• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed
<b>U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)</b>		
• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</b>		
• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</b>		
• Stearic acid	57-11-4	Not Listed
• Chromium(III) oxide	1308-38-9	Not Listed

## Section 16 - Other Information

<b>Revision Date</b>	<ul style="list-style-type: none"> <li>• 19/May/2016</li> </ul>
<b>Preparation Date</b>	<ul style="list-style-type: none"> <li>• 02/May/2002</li> </ul>
<b>Disclaimer/Statement of Liability</b>	<ul style="list-style-type: none"> <li>• The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believe to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore user are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.</li> </ul>

### Key to abbreviations

NDA = No Data Available