Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Tripoli Bar**

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
Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1
Hazards Not Otherwise Classified - Health Hazards - Metal fume fever

Label elements

OSHA HCS 2012

DANGER

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

Precautionary statements

Prevention • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
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.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

OSHA HCS 2012

- Heating above the melting point releases metallic oxides which may cause metal fume fever by inhalation. The symptoms are shivering, fever, malaise and muscular pain. 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**
Crystalline silica	**CAS:**14808-60-7	69.44% TO 74.925%	NDA	**OSHA HCS 2012:** Carc. 1A; STOT RE 1 (Lungs, Inhl)	NDA
Stearic acid	**CAS:**57-11-4	5% TO 10%	NDA	**OSHA HCS 2012:** Skin Irrit. 2	NDA
Petrolatum	**CAS:**8009-03-8	5% TO 10%	NDA	**OSHA HCS 2012:** Not Classified	NDA
P-135 Fully Refined Paraffin Wax	NDA	5% TO 10%	NDA	**OSHA HCS 2012:** Not Classified	NDA
Iron oxide	**CAS:**1309-37-1	0% TO 5%	NDA	**OSHA HCS 2012:** Hazard Not Otherwise Classified - Health Hazard - Metal fume fever	NDA
C.I. Pigment Yellow 42	**CAS:**51274-00-1	0% TO 5%	NDA	**OSHA HCS 2012:** Not Classified	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 Products
- No data available

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
Iron oxide (1309-37-1)	TWAs	5 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (dust and fume, as Fe)	10 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust, listed under Rouge); 5 mg/m3 TWA (respirable fraction, listed under Rouge)
Crystalline silica (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA (respirable dust)	Not established

Exposure Limits Supplemental
OSHA
•Crystalline silica (14808-60-7): **Mineral Dusts:** ((30)/(%SiO2 + 2) mg/m3 TWA, total dust; (250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)

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

Material Description			
Physical Form	Solid	Appearance/Description	Amber, odorless solid.
Color	Amber	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 1.925 @ 60 °F(15.5556 °C) Water=1	Water Solubility	Negligible
Viscosity	No data available		
Volatility			

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 %		
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
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

- No data available

Hazardous decomposition products

- Silicon dioxide, Carbon oxides from heating in fire conditions.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Stearic acid (5% TO 10%)	57-11-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 4600 mg/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; **Mutagen:** DNA damage • Unreported Route-Human • Liver (Somatic cell) • 10 mg/L 20 Hour(s); **Tumorigen / Carcinogen:** Implant-Mouse TDLo • 400 mg/kg; *Tumorigenic*:**Equivocal tumorigenic agent by RTECS criteria**; *Kidney, Ureter, and Bladder*:**Tumors**
Crystalline silica (69.44% TO 74.925%)	14808-60-7	**Acute Toxicity:** Inhalation-Human TCLo • 16 mppcf 8 Hour(s) 17.9 Year(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Cough**; *Lungs, Thorax, or Respiration*:**Dyspnea**; Inhalation-Rat TCLo • 200 mg/kg; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Lungs, Thorax, or Respiration*:**Other changes**; *Nutritional and Gross Metabolic:Changes in Chemistry or Temperature*:**Fe**; **Multi-dose Toxicity:** Inhalation-Hamster TCLo • 3 mg/m³ 6 Hour(s) 78 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis (interstitial)**; *Lungs, Thorax, or Respiration*:**Changes in lung weight**; Inhalation-Rat TCLo • 6.2 mg/m³ 6 Hour(s) 6 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Other changes**; *Blood*:**Changes in spleen**; *Immunological Including Allergic*:**Increase in cellular immune response**; Inhalation-Rat TCLo • 80 mg/m³ 26 Week(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosis, focal (pneumoconiosis)**; *Blood*:**Changes in spleen**; *Immunological Including Allergic*:**Decrease in cellular immune response**; **Mutagen:** Micronucleus test • Unreported Route-Hamster • Lung (Somatic cell) • 160 µg/cm³; DNA damage • Unreported Route-Human • Other Cell Type • 120 mg/L 24 Hour(s); Micronucleus test • Unreported Route-Human • Lung (Somatic cell) • 40 µg/cm³; **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 50 mg/m³ 6 Hour(s) 71 Week(s)-Intermittent;

		Tumorigenic:**Carcinogenic by RTECS criteria**; *Liver*:**Tumors**
Iron oxide (0% TO 5%)	1309-37-1	**Acute Toxicity:** Inhalation-Rat TCLo • 0.8 mg/kg; *Lungs, Thorax, or Respiration*:**Emphysema**; *Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels*:**Multiple enzyme effects**; *Biochemical:Metabolism (intermediary)*:**Effect on inflammation or mediation of inflammation**; Inhalation-Rat TCLo • 50 mg/m³ 60 Hour(s); *Behavioral*:**Excitement**; *Behavioral*:**Fluid intake**; *Gastrointestinal*:**Hypermotility, diarrhea**; **Multi-dose Toxicity:** Inhalation-Rat TCLo • 500 µg/m³ 24 Hour(s) 61 Day(s)-Continuous; *Brain and Coverings*:**Other degenerative changes**; *Blood*:**Changes in serum composition (e.g., TP, bilirubin cholesterol)**; *Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels*:**True cholinesterase**

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** • Carcinogenicity 1A
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 1

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)
- Repeated and prolonged exposure to dust may cause lung effects including pneumoconiosis.

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

Carcinogenic Effects
- Repeated and prolonged exposure may cause cancer.

Carcinogenic Effects			
	CAS	**IARC**	**NTP**
Crystalline silica	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

Other information

- Heating above the melting point releases metallic oxides which may cause metal fume fever which is an influenza like illness. Symptoms include headache, metallic taste in the mouth, cough, thirst, throat irritation, shortness of breath, fever, sweating and pain in the limbs. This illness is not permanent and recovery usually occurs within 24-48 hours after onset.

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**
C.I. Pigment Yellow 42	51274-00-1	Yes
Crystalline silica	14808-60-7	Yes
Iron oxide	1309-37-1	Yes
Petrolatum	8009-03-8	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
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Environment

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed

• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	carcinogen, 10/1/1988 (airborne particles of respirable size)

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

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Stearic acid	57-11-4	Not Listed
• Iron oxide	1309-37-1	Not Listed
• Petrolatum	8009-03-8	Not Listed
• C.I. Pigment Yellow 42	51274-00-1	Not Listed
• Crystalline silica	14808-60-7	Not Listed

Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Revision Date
- 19/May/2016

Preparation Date
- 28/May/2002

Disclaimer/Statement of Liability
- 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.

Key to abbreviations

NDA = No Data Available