

# WESTERN OPTICAL SUPPLY, INC.

## Material Safety Data Sheet

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### TROOP-BALAS LABORATORIES CRYSTAL KLEER® ROUGE

#### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Western Optical Supply, Inc.

20 Arroyo Cuyamungue

Santa Fe, New Mexico 87506 USA

**24 Hour Emergency Telephone:**

Customer Service:

Product Disposal Information:

CHEMTREC:

**(989) 496-5900**

(989) 496-6000

(989) 496-6315

(800) 262-8200

MSDS No.: BA-709

Revision Date: 2005/07/01

Generic Description: Abrasive polishing and buffing compound

Physical Form: Tan bar compressed material

Color: Mottled tan

Odor: Some odor

NFPA Profile:

Health 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

#### 2. OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

CAS #14808-60-7...Tripoli and/or Silica...0.1 mg/m3...67-77%

Product is not considered hazardous in shipping, storage or handling according to the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, observe precautions for the dust generated by the user.

#### 3. EFFECTS OF OVEREXPOSURE

##### Acute Effects

Eye: Mildly irritating to the eye for short-term contact. Long-term contact can produce scratching of the cornea through abrasive action.

Skin: Product does not generally irritate and is only mildly irritating to sensitive skin.

Inhalation: Material is not considered an inhalation hazard as supplied. However, dust generated during buffing contains silica. Prolonged inhalation may result in silicosis, a progressive lung disease.

Oral: No hazard anticipated through ingestion in normal industrial use.

##### Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: Suspect cancer hazard (contains silica). Risk of cancer depends on duration and level of exposure to respirable dust.

Oral: No known applicable information.

##### Signs and Symptoms of Overexposure

No known applicable information.

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#### Medical Conditions Aggravated by Exposure

Dust generated during buffing contains silica. Prolonged inhalation may result in silicosis, a progressive lung disease. Risk of cancer depends on duration and level of exposure to respirable dust.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

#### **4. FIRST AID MEASURES**

Eye: Immediately flush with water for fifteen minutes. If irritation persists get medical attention.

Skin: Wash with soap and water. Wash clothing daily, as imbedded abrasive particles can abrade skin resulting in irritation.

Inhalation: If exposed to excessive levels of dust, remove to fresh air. Get medical attention if cough, irritation or other symptoms develop.

Oral: Swallowing less than an ounce will not cause significant harm. For larger amounts do not induce vomiting, but give two 12 ounce glasses of water and obtain medical advise.

#### **5. FIRE FIGHTING MEASURES (NFPA: 1-1-0)**

Flash Point: > 350°F

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

General Hazard: Material can support combustion if exposed to continuous open flame. See section 16 for used material from buffing.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Measures: Self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and protective clothing should be worn in fighting large fires involving chemicals.

Unusual Fire Hazards: None.

#### Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: carbon monoxide and carbon dioxide.

#### **6. ACCIDENTAL RELEASE MEASURES**

Sweep or scoop up material for reuse or reclaim if possible, otherwise place in a disposal container for proper disposition. Do not flush to sewers or waterways unless authorized to do so by appropriate government officials.

#### **7. HANDLING AND STORAGE**

Storage Temperature: Ambient

General: Keep out of sun and away from heat sources, as product may melt. Observe all safeguards for container residue until cleaned or destroyed.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation should be provided to maintain the airborne exposure to personnel below the OSHA and PEL TWA during handling and use.

Personal Protection/Respirator: Where engineering controls cannot be provided a NIOSH/MHSA approved respirator for dusts having a TWA not less than 0.05 M/M3 should be used during buffing operations. Respiratory protection is usually not required during normal storage and handling.

Protective Clothing: For normal handling of unused product wear safety glasses and observe normal good hygiene, such as frequent washing of exposed area and a daily change and laundering of clothing. During buffing the use of a face shield, cloth gloves and cloth apron is recommended.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid block

Color: Tan

Odor: Mild

Specific Gravity @ 25°C: >1.6

Freezing/Melting Point: >125F

Boiling Point: N/A

Vapor Pressure @ 25°C: N/A

Vapor Density: N/A

Solubility in Water: Negligible

pH: N/A

Volatile Content: 9n-Butyl Acetate = 1

Note: The above information is not intended for use in preparing product specifications.

#### 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: No incompatibility anticipated during normal industrial use.

#### 11. TOXICOLOGICAL INFORMATION

##### Special Hazard Information on Components

The dust generated during buffing may include silica. Medical and scientific evidence has suggested that as the amount and/or duration of silica dust inhalation increases, the risk of serious respiratory disease also increases. IARC Monographs on the Evaluation of the Carcinogenicity Risk of Chemicals to Humans, silica and some silicates (1987), evaluated there is "sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and "limited evidence" with respect to humans. Implementation, monitoring and evaluating your own industrial hygiene and dust control program will minimize the risk associated with silica/tripoli dust inhalation.

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#### 12. ECOLOGICAL INFORMATION

##### Environmental Fate and Distribution

Complete information is not yet available.

##### Environmental Effects

Not considered a marine pollutant.

##### Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

#### 13. DISPOSAL CONSIDERATIONS

##### RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No. If discarded, the material in its original unused form is not a RCRA hazardous waste. Disposal should be in accordance with State and Local regulations for the disposal of non-hazardous waste. Be certain to check if compound (after used) has come in contact with a hazardous substance before disposal.

State or local laws may impose additional regulatory requirements regarding disposal.

#### 14. TRANSPORT INFORMATION

**Proper Shipping Name:** Scouring Compound, Cake Form, N.O.S., NMFC 48581, CL 55

**DOT Road Shipment Information:** Not subject to DOT.

**Ocean Shipment (IMDG):** Not subject to IMDG code.

**Air Shipment (IATA):** Not subject to IATA regulations.

#### 15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

##### EPA SARA Title III Chemical Listings

**Section 302 Extremely Hazardous Substances:** None.

**Section 304 CERCLA Hazardous Substances:** None.

##### Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

##### Section 313 Toxic Chemicals:

None present or none present in regulated quantities.

#### Supplemental State Compliance Information

##### California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm: Silica

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**Canadian WHMIS:** The Canadian Workplace Materials Information System Classification for this product is: Class D, Div 2, Dub div B, Eye/Skin Irritant

#### 16. OTHER INFORMATION

After buffing compounds have been used there is normally produced a waste containing dried clogging compound, buffing wheel lint of cotton, polyester, etc. plus dust from the material that was polished. The use of extinguishing media in a fire from this waste should be evaluated as to the material that was polished. Fiber lint with the dried buffing compound may make the mixture combustible. The addition of metal dust like aluminum, titanium or magnesium and dry buffing compound may increase the mixture's degree of combustibility. This addition of metal dust may change the recommended extinguishing media. For buffing compound waste, general recommended extinguishing media is water by flooding, chemical foam, or carbon dioxide. The recommendation for a specific metal dust may be dry chemical foam only, or smothering. Individual situation will vary according to the material that was questioned as to the recommended fire fighting media or procedure when this material is involved.

Prepared by: Western Optical Supply, Inc.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. The information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the users responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use. (R) Indicates Registered Trademark