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## **MATERIAL DATA SAFETY SHEET**

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DATE REVISED: November 5, 2014  
MSDS No.:101

### **1. PRODUCT IDENTIFICATION AND INFORMATION**

Product Identifier: Butterfield 101  
Chemical Notation or Structure: Mixture  
General Information: Butterfield Color® 630) 906-1980  
Emergency Information: CHEMTREC 800-424-9300

### **2. INGREDIENTS**

#### **WT. %**

#### **CAS Registry**

Trade Secret	----	----
Iron Oxide	----	1332 -37 -2

\*Notes: Contact CHEMTREC for information on trade secret ingredients in cases of emergency

	OSHA PEL mg/m <sub>3</sub>	EXPOSURE LIMITS 8HRS. TWA ACGIH TLV mg/m <sub>3</sub>	NIOSH REL mg/
Iron	10	5	5

### **3. PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure: Not Applicable  
Specific Gravity (H<sub>2</sub>O=1): > 1  
Solubility in Water: Insoluble

Boiling Point: Not Applicable

Vapor Density: Not Applicable  
Evaporation Rate: Not Applicable  
Melting Point: Not Applicable

Appearance: Fine, Colored Powder  
Odor: No Odor

#### 4. FIRE AND EXPLOSION

Flashpoint and Method: None  
Flammable Limits: None  
Auto-ignition Temperature: None  
Fire Extinguishing Media: Non-combustible  
Special Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazards: High dust concentrations create a potential for dust explosions.

#### 5. REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Materials and Conditions to Avoid: Strong oxidizers and excessive heat  
Hazardous Decomposition Products: Carbon monoxide and calcium oxide.

#### 6. HEALTH

Inhalation: Acute exposures may cause sneezing, coughing and irritation of upper respiratory system. Long term excessive exposure may cause pulmonary disease.  
Eyes and Skin: May cause eye and skin irritation, burns and dermatitis.  
Ingestion: May cause gastrointestinal tract irritation.  
Medical Conditions Aggravated: Pre-existing chronic respiratory, eye and skin diseases.

Carcinogenicity:  
NTP- No      IARC- No      OSHA- No      ACGIH- No

First Aid Measures:

**Inhalation-** Remove exposed person to fresh air. Get medical attention if symptoms persist.  
**Eye Contact-** Flush eyes with water for at least 15 minutes. Get medical attention if symptoms persist.  
**Skin Contact-** Wash with mild soap and water. Get medical attention if symptoms persist.  
**Ingestion-** Get medical attention.

## **7. HANDLING AND STORAGE**

General: Store in cool, dry location. Avoid creating excessive dust in the presence of an ignition source.

Spill Cleanup: Isolate and contain spill. Avoid excessive dust generation and runoff into a sewer or waterway. Collect and reuse, if possible. Place waste in a disposal container, and dispose of in accordance with local, state and federal regulations.

## **8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Engineering Controls: Use only in well ventilated areas. Ventilation should be sufficient to maintain airborne levels of ingredients below the acceptable limits.

Skin and Eye Protection: Impervious gloves, safety glasses with side shields or safety goggles, and suitable clothing to minimize skin contact recommended.

Respiratory Protection: Use only NIOSH- approved respirators if necessary to prevent excessive dust inhalation.

Work Practices: Avoid contact with skin and eyes. Avoid breathing dust. Wash thoroughly with soap and water. Remove and clean work clothing.

## **9. TRANSPORT INFORMATION**

US DOT: Not regulated as a hazardous material

IMDG: Not regulated as a hazardous material

IATA: Not regulated as a hazardous material

This Material Safety Data Sheet (MSDS) was developed from information contained in published MSDSs and standard references. Butterfield Color® makes no guarantees or warranty, either expressed or implied, as to the accuracy or completeness of the data contained in this MSDS.