



1299 H Street  
Greeley, CO 80631  
Phone (970)346-8577 Fax (970)346-8575  
Email: [info@reuscheco.com](mailto:info@reuscheco.com)

# Safety Data Sheet

EMERGENCY CONTACT  
POISINDEX-24 HRS (303)629-1123

**DATE OF ISSUE: July 31, 2015**  
**REVISION DATE: May 29, 2015**

## 1. PRODUCT IDENTIFICATION

Product ID#: 57R001  
Product Name: Tracing Black E401  
Recommended Use: Industrial use only  
Uses advised against: Toys and food contact  
Supplier Name: Reusche & Co. of T.W.S., Inc.  
Responsible Party: Jon C. Rarick, President

## 2. HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture

Irritant  
Acute Toxicity

Category 2  
Category 2

**Symbol(s)**  
Xn-Health Hazard  
Xi-Acute Toxicity



**Signal Word**  
Warning

**Hazard Statements**  
H302 Harmful if swallowed  
H315 Causes skin irritation

## **2. HAZARD(S) IDENTIFICATION CONT.**

H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H371 May cause damage to organs

### **Precautionary statements**

#### **General**

P102 Keep away from children  
P103 Read label before use

#### **Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P262 Do not get in eyes, on skin, or on clothing  
P264 Wash hands/skin thoroughly after handling  
P270 Do not eat, drink, or smoke when using this product  
P271 Use only outdoors or in a well-ventilated area  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P284 Wear respiratory protection

#### **Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P302+P352+P362 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse  
P304+P340+P311 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician  
P306+P362 IF ON CLOTHING: Take off contaminated clothing and wash before re-use  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

#### **Storage**

P402 Store in a dry place  
P404 Store in a closed container

#### **Disposal**

P501 Dispose of contents/container in accordance with federal, state and local regulations

### **Other Hazards**

None listed

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	WT %	TLV	PEL
Bismuth	59-69		Not Established
Borates	0-6	10.00 MG BO/CU M AIR TWA	10.00 MG BO/CU M AIR TWA
Cobalt CPDS	0-9	0.05 MG CO/CU M AIR TWA	0.10 MG CO/CU M AIR TWA
Insol Chrom CPDS	7-17	0.5 MG CR/CU M AIR TWA	0.5 MG CR/CU M AIR TWA
Copper (dusts/salts)	0-5	1.00 MG CU/CU M AIR TWA	1.00 MG CU/CU M AIR TWA
Iron CPDS	0-9	10.00 MG FE/CU M AIR TWA	
Silica, Quartz	0-6	0.10 MG SI/CU M AIR TWA	5.00 MG SI/CU M AIR TWA
Zinc CPDS	0-6	5.00 MG ZN/CU M AIR TWA	5.00 MG ZN/CU M AIR TWA
Zirconium CPDS	0-6	5.00 MG ZR/CU M AIR TWA	5.00 MG ZR/CU M AIR TWA

\*Specific chemical identity and/or percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Eye contact:** Rinse immediately for at least 15 minutes with plenty of water also under the eyelids.

**Skin contact:** Wash off immediately with plenty of soap and water. Remove and wash contaminated clothing before re-use

**Ingestion:** Immediately contact a doctor

**Inhalation:** Move to fresh air. Call a doctor

**Notes to doctor:** Treat symptomatically

**Most important symptoms and effects, both acute and delayed-** Skin/eye/resp. irritation

**Indication of immediate medical attention and special treatment needed :**

**Protection of first-aiders:** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Use fire fighting measures that suit the environment

**Unsuitable extinguishing media** Do not use solid water stream as it may scatter and spread fire

**Special exposure hazards** Formation of toxic gases is possible during heating or in case of fire

**Special protective equipment for fire fighters** As in any fire, wear self-contained breathing apparatus and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid formation of dust

**Methods and materials for containment and cleaning up** Wear personal protective equipment. Dispose of in accordance with federal, state and local regulations. Do not allow product to reach sewage system or any water course. Ensure adequate ventilation

## 7. HANDLING AND STORAGE

**Precautions for safe handling** Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace. Use personal protective equipment

**Conditions for safe storage** Keep tightly closed in a dry, cool and well-ventilated place. Keep product away from foodstuffs

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits** None found

**Engineering controls** Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated. Ensure that eyewash stations and safety showers are proximal to the workstation location.

**Personal protection measures** Safety glasses with side-shields, rubber gloves, protective clothing such as impervious plastic overalls or aprons with sleeve covers, NIOSH approved respirators equipped with fume, and mist H.E.P.A. filter cartridges during all handling operations recommended. Follow manufacturers recommendations. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Environmental controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

**Appearance** Powder

**Odor** Odorless

### Important health safety and environmental information

<b>PH</b>	No information available
<b>Melting point/freezing point</b>	No information available
<b>Boiling point/boiling range, F</b>	No information available
<b>Flash point, F</b>	Not applicable
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper/lower flammability exp. Limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Solubility(ies)</b>	Insoluble
<b>Partition coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data Available
<b>Chemical Stability</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions</b>	No dangerous reactions known
<b>Conditions to avoid</b>	No information available
<b>Incompatible materials</b>	No information available
<b>Hazardous decomposition products</b>	Toxic metal oxide smoke

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	Oral, Dermal, Inhalative
<b>Symptoms related to exposure</b>	Not determined
<b>Chronic effects from exposure</b>	Organ damage
<b>Acute toxicity</b>	Organ damage
<b>Carcinogenic effects</b>	No information available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No information available
<b>Persistence and degradability</b>	No information available
<b>Bioaccumulative potential</b>	No information available
<b>Mobility in soil</b>	No information available
<b>Other adverse effects</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Do not dispose together with household garbage
<b>Waste from residue/unused products</b>	Dispose of in accordance with local regulations
<b>Contaminated packaging</b>	Take to approved waste handling/recycling center
<b>Safe handling</b>	See section 8 for more information

## 14. TRANSPORTATION INFORMATION

<b>DOT</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>IATA</b>	Not regulated

## 15. REGULATORY INFORMATION

### Chemical Inventories Status

U.S.A. TSCA	Compliant
European Community (EINECS)	Compliant
Canada (DSL)	Compliant
Australia (AICS)	Compliant
Japan (IEC)	Compliant
Korea (KECI)	Compliant
Philippines (PICCS)	Compliant
China (SEPA/CICS)	Compliant

## 16. OTHER INFORMATION

### Symbol(s)

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### Signal Word

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**DISCLAIMER**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgements of suitability of this information to ensure proper use and protect the health and safety of employees. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

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