

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined  
N/A=Not Applicable

**Product:** FIBRE ID TEST KIT

**Manufacturer:** AMERICOLOR

**Flammability:** 2

**Chem. Name:** N/A

**Trade Name:** Fibre ID Test Kit

**Reactivity:** 1

**Chem. Family:** Mixture

**Use:** Fibre ID kit

**Health:** 2

**Protection:**

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

## HAZARDOUS INGREDIENTS

Formic Acid  
Chlorine Bleach  
Red Dye #40 (Non hazardous)

**CAS #**

64-18-6  
7681-52-9  
N/A

**% WT**

N/A  
N/A  
N/A

**HAZARD DATA**

N/A  
N/A  
N/A

**EXPOSURE LIMITS (TLV)**

5 ppm  
N/A  
N/A

## PHYSICAL DATA

**Physical State:** Acid, liquid  
Bleach, liquid

**Boiling Point (C):** N/A

**Solubility in Water:** Soluble

**Evaporation Rate:** N/A

**Percent Volatile (vol):** N/A

**Odor:** Colorless, penetrating odor

**Freezing Point (C):** N/D

**Ph (mixed):** N/D

**Specific Gravity:** N/A

**Vapor Pressure:** N/A

## FIRE & EXPLOSION HAZARD

**Flammability:** Acid only, Yes

**Means of Extinction:** Water spray, alcohol foam, CO2

**Special Procedures:** SCBA's-facepiece in positive mode

**Explosion Sensitivity to Impact:** N/A

**Chemical Sensitivity to Static Discharge:** N/A

**Flashpoint (C) & Method:** 156 F (OC) acid only

**Conditions:** Heat, flame, other sources of ignition.

**Hazardous Combustion Products:** N/A

**Upper Explosion Limit (% by vol):** 57%

**Lower Explosion Limit (% by vol):** 18%

**Auto-ignition:** N/A

**Rate of Burning:** N/A

**Explosive Power:** N/A

**TDG/WHMIS:** Not Hazardous

## REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Decomposition Product:** Not known

**Incompatible Substances:**

Acid: Strong oxidizing agents, strong bases, sulfuric acid.  
Bleach: Strong oxidizing agents. React with other household chemicals such as toilet bowl cleaners, rust removers, vinegars, acids or ammonia containing products to produce hazardous gases, such as chlorine & other chlorinated species.

## TOXICOLOGICAL PROPERTIES

**Route of Entry - Skin Contact:** Y  
**Route of Entry - Skin Absorption:** N  
**Route of Entry - Eye Contact:** Y  
**Route of Entry - Inhalation:** Y  
**Route of Entry - Ingestion:** Y

**Reproductive Effects Y/N:** N/D  
**Carcinogenicity Y/N:** N  
**Mutagenicity Y/N:** N/D  
**Teratogenicity Y/N:** N/D  
**TLV:** N/D

### Effects of Overexposure: Acute Effects:

Eyes: Direct contact with acid or chlorine may cause severe irritation or burns. Skin: May cause severe irritation or burns. Chlorine bleach may cause minor irritation. Inhalation: Acid vapors may cause severe irritation of respiratory system with coughing, chest pains, nausea and vomiting. Chlorine vapors may irritate the nose, throat and respiratory tract. Ingestion: Acid may cause acute local tissue damage, with other effects ranging from nausea and dizziness to unconsciousness. Aspiration of vomitus into lungs may cause chemical pneumonitis. Swallowing chlorine bleach may cause nausea and vomiting.

### Chronic Effects:

Prolonged and repeated over exposure to formic acid may lead to kidney and liver damage. Dermatitis may be aggravated by exposure.

## PREVENTATIVE MEASURES

**Gloves:** Acid resistant, Rubber for chlorine.

**Footwear:** N/A

**Clothing:** Protective suit

**Eyes:** Safety goggles/face shield

**Respirator:** Organic vapor cartridge/SCBA

**Other:** N/A

### Recommended Engineered Controls:

Use with general or local exhaust to meet TLV requirements

### Leak & Spill Procedures:

Acid: If possible neutralize with soda ash or lime. Mop up or absorb with inert material. Bleach: Mop or wipe up with water.

### Waste Disposal Methods:

According to federal, provincial and municipal regulations.

### Special Handling Procedures:

Keep containers closed tightly. Keep away from children.

## FIRST AID MEASURES

**Inhalation:** Move person to fresh air.

**Ingestion:** Formic Acid: Do not induce vomiting. Give water, milk or milk of magnesia. Get immediate medical attention. Bleach: Drink a glass of water and call a physician.

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. Get medical attention immediately.

**Skin Contact:** Flush thoroughly with water for at least 15 minutes while removing contaminated clothes and shoes. Wash clothing before reuse. Get medical attention.

**Prep./Revised Date:** January 9, 2008

**Prepared By:** S. Anonson

**Source Material:** Manufacturer's MSDS

**Emergency Response:** 1-613-996-6666 (Transport Emergencies)

**Mailing Address:** Fibreclean Supplies

#101, 3750-19th Street NE Calgary, AB T2E 6V2



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.