

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

**Product:** Browning Treatment

**Manufacturer:** ESTEAM

**Flammability:** 0

**Chem. Name:** N/A

**Trade Name:** Browning Treatment

**Reactivity:** 0

**Chem. Family:** Mixture

**Use:** Carpet & upholstery browning treatment

**Health:** 1

**Protection:**

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

## HAZARDOUS INGREDIENTS

**CAS #**

**% WT**

**HAZARD DATA**

**EXPOSURE LIMITS (TLV)**

Sodium Metabisulfite

7681-57-4

1-5

LD50 1540 mg/kg (oral-rat)

5 mg/m<sup>3</sup>

## PHYSICAL DATA

**Physical State:** Liquid

**Boiling Point (C):** 100

**Solubility in Water:** 100 %

**Evaporation Rate:** N/D

**Freeze/Thaw Stable:** Yes

**Odor/Appearance:** Clear, strong sulfur odor

**Freezing Point (C):** 0

**Ph (undiluted):** 3-4.5

**Specific Gravity:** 1

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

**Vapor Pressure:** N/D

## FIRE & EXPLOSION HAZARD

**Flammability:** N

**Means of Extinction:** N/A

**Special Procedures:** N/A

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

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

**Flashpoint (C) & Method:** None

**Conditions:** N/A

**Hazardous Combustion Products:** N/A

**Upper Explosion Limit (% by vol):** N/A

**Lower Explosion Limit (% by vol):** N/A

**Auto-ignition:** N/A

**Rate of Burning:** N/A

**Explosive Power:** N/A

**TDG/WHMIS:** Non hazardous / D2B

## REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Decomposition Product:** None

**Incompatible Substances:** None

## TOXICOLOGICAL PROPERTIES

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

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

### Effects of Overexposure:

#### Acute Effects:

May cause irritation if inhaled, or on eye or skin contact. Ingestion may lead to irritation of the mucous membranes of throat and mouth. Nausea, abdominal pain, vomiting, diarrhea and headache may result.

#### Chronic Effects:

Repeated liquid contact may cause defatting of the skin resulting in dermatitis.

## PREVENTATIVE MEASURES

**Gloves:** N/A

**Footwear:** N/A

**Clothing:** N/A

**Eyes:** Safety glasses

**Respirator:** N/A

**Other:** N/A

### Recommended Engineered Controls:

Use with adequate ventilation.

### Leak & Spill Procedures:

Flush to a sanitary sewer with water.

### Waste Disposal Methods:

According to federal, provincial and municipal regulations.

### Special Handling Procedures:

Store in a cool, dry place.

## FIRST AID MEASURES

**Inhalation:** Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.

**Ingestion:** Contact a physician. If person is conscious, rinse mouth with water.

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. Call a physician.

**Skin Contact:** Immediately flush skin with running water for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

**Prep./Revised Date:** March 1, 2011

**Prepared By:** R. Russell

**Source Material:** Manufacturer's MSDS

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

**Mailing Address:** Esteam Manufacturing Ltd.  
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.