



**FABPRO INC.**

3000 E. Preston Street  
Baltimore, Maryland 21213  
Telephone (410) 325-5040

**HAZARD RATING HMIS**

Health=1, Flammability= 0, Reactivity = 1  
(Index 4=very high, 3=high, 2=moderate  
1=slight, 0=insignificant)

**Material Safety Data Sheet**

**I. General Information**

<b>Trade Name &amp; Synonym</b> Browning and Coffee Stain Remover		<b>Chemical Family</b> Bisulfite/Reducing agent
<b>Chemical Name &amp; Synonym</b> Mixture	<b>Date prepared</b> June 1992	<b>Prepared by</b> Aziz Ullah Ph.D.

**II. Ingredients**

Water, Sodium Metabisulfite, and surfactant

**III. Physical Properties**

**Boiling Point**

Approx. 212°F

**Specific Gravity (Water=1)**

1.025

**Vapor Pressure (mm Hg.)**

ND

**Melting Point**

Approx 32°F

**Vapor Density (AIR=1)**

>1

**Evaporation Rate (Butyl Acetate=1)**

>1

**Solubility in Water**

Soluble

**Appearance and odor**

Water white liquid/pungent odor

**pH (Liquid as is )**

3.4-4.5

**IV. Fire and Explosion Hazard Data**

**Flash Point (TOC)**

NA

**Flammable Limits**

NA

**LEL**

**UEL**

NA

**Extinguishing Media**

Foam, CO<sub>2</sub>, Dry Chemical, water fog

**Special Fire Fighting Procedures**

Usual fire fighting procedures can be used

**Unusual Fire and Explosion Hazards**

None known

**V. Reactivity Data**

**Stability**

Unstable

X

**Conditions to avoid**

High temperatures over 125°F/alkaline materials

Stable

**Incompatibility (Materials to avoid)**

Oxidizing Agents

**Hazard Decomposition or Byproducts**

Sulfur Dioxide

**Hazardous**

May occur

**Conditions to avoid**

**Polymerization**

Will not occur

X

FABPRO INC.

Material Safety Data Sheet

VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	Yes	No	No	Yes

Health Hazards

Irritating to eyes nose and throat, some Asthmatics may show hypersensitivity

Signs and Symptoms of Exposure

Irritation discomfort

Medical Conditions Aggravated by Exposure

Asthma

Emergency and First Aid Procedures

Move to fresh air. If contacted flush thoroughly with water. If irritation persists see physician if ingested drink milk or water see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water, (non-hazardous waste)

Waste Disposal Method

Check with federal state or local regulations. Waste may be discharged into sanitary sewer as non-hazardous waste if regulations permit

Precautions to be taken in Handling and Storing

Store in a cool place, avoid breathing vapor, keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

Ventilation

Ventilation	Local Exhaust	Special
Provide ventilation		

Mechanical	X	Other
------------	---	-------

Protective Gloves

For repeated contact impermeable gloves suggested

Eye Protection

Monogoggles suggested

Other Protective Clothing or Equipment

Avoid breathing vapor TLV/TWA(ACGIH) 5ppm

Work/Hygienic Practices

Wash after handling Keep out of reach of children

DISCLAIMER: Fabpro warrants this product conforms to specifications when used as directed No guarantee is made to the accuracy of any data or statement contained herein, as this information is furnished in good faith and believed to be true and accurate. No warranty, express or implied is made. This information is offered for consideration investigation and verification. Fabpro is not liable for incidental, special, or consequential damages with its publication.