

MATERIAL SAFETY DATA SHEET

BROWNING TREATMENT

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SECTION I: PRODUCT INFORMATION

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TRADE NAME: BROWNING TREATMENT
SUPPLIER/MANUFACTURER: Chemspec-Hunnisett, 1260 Lakeshore Rd. E., Mississauga, Ont., L5E 3B8 (416) 421-5212
PREPARATION DATE: January 22, 2008
PRODUCT USE: Anti Browning Agent
PRODUCT IDENTITY: Mixture

CLASS D2B

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SECTION II: HAZARDOUS INGREDIENTS

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CHEMICAL IDENTITY: Sodium metabisulphite CAS# / NA# / UN#: 7681-57-4 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: 5 ppm TOXICITY (LD50 & LC50): Not available

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SECTION III: PHYSICAL DATA

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PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Clear with sulfur dioxide odor
ODOR THRESHOLD: Not determined SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE: Similar to water VAPOR DENSITY: 0.8
EVAPORATION RATE: Not determined BOILING POINT: Approx. 100 degrees C
FREEZING POINT: Not determined pH: 3.6 - 4.5
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: 100%

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SECTION IV: FIRE AND EXPLOSION DATA

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CONDITIONS OF FLAMMABILITY:
(a) Not flammable
(b)
MEANS OF EXTINCTION: Treat primary cause of fire
FLASHPOINT & METHOD OF DETERMINATION: Not applicable
UPPER FLAMMABLE LIMIT: None
LOWER FLAMMABLE LIMIT: None
AUTO-IGNITION TEMPERATURE: None
HAZARDOUS COMBUSTION PRODUCTS: None known
EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: Not sensitive
EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: Not sensitive

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SECTION V: REACTIVITY DATA

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CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Do not store above 55 degrees C
NAME OF ANY SUBSTANCE OR CLASS OF
SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: Alkali's and acids
CONDITIONS OF REACTIVITY: Mixing with above
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide

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SECTION VI: TOXICOLOGICAL PROPERTIES

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ROUTE OF ENTRY:
SKIN CONTACT: May be irritating after long contact
SKIN ABSORPTION: Irritant
EYE CONTACT: Irritant
INHALATION: See hazard information Page 1
INGESTION: May cause nausea
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Not determined
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Not determined
EXPOSURE LIMITS: Not determined
IRRITANCY OF PRODUCT: Inhalation - product odor becomes stronger with age
SENSITIZATION TO PRODUCT: Not determined
CARCINOGENICITY: None known
REPRODUCTIVE TOXICITY: None known
TERATOGENICITY: None known
MUTAGENICITY: None known
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known

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**SECTION VII: PREVENTATIVE MEASURES**

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PERSONAL PROTECTIVE EQUIPMENT: Rubber gloves & goggles  
ENGINEERING CONTROLS: Adequate ventilation  
PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Mop up  
WASTE DISPOSAL: In accordance with Provincial or Municipal regulations  
HANDLING PROCEDURES AND EQUIPMENT: Normal  
STORAGE REQUIREMENTS: Store below 35 degrees C  
SPECIAL SHIPPING INFORMATION: Bisulphites, Aqueous Solution, N.O.S., Sodium Bisulphite Class 8 UN 2693 Packing Group III

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**SECTION VIII: FIRST AID MEASURES**

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IN CASE OF EYE CONTACT: Flush with water. Consult physician.  
IN CASE OF SKIN CONTACT: Flush with water.  
IF INHALED: Remove to fresh air. If symptoms persist seek medical attention.  
IF INGESTED: Obtain medical attention.  
PHYSICIAN: Material has pH of about 4.

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**SECTION IX: PREPARATION INFORMATION**

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PREPARED BY: Chemspec-Hunnisett (416) 421-5212  
**24 HOUR EMERGENCY NUMBER: CANUTEC 1-613-996-6666**

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**SPECIAL PRECAUTIONS**

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One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human - system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

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**DISCLAIMER OF LIABILITY**

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all expressed or implied warranties of merchantability or of liability from the use of this product. The information contained herein, as of this date, is believed to be true and accurate, but it is the user's obligation to study the MSDS and determine the conditions for the safe use of this product.

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