

MATERIAL SAFETY DATA SHEET

BROWNING TREATMENT

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SECTION I: PRODUCT INFORMATION

TRADE NAME: BROWNING TREATMENT
SUPPLIER/MANUFACTURER: Hunnisett Chemicals Limited, 200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212
PREPARATION DATE: June 1, 2005
PRODUCT USE: Anti Browning Agent
PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Sodium metabisulphite CAS# / NA# / UN#: 7681-57-4 CONC. (W/W): 3 - 7 %
OSHA PEL, ACGIH TLV: 5 ppm TOXICITY (LD50 & LC50): Not available

SECTION III: PHYSICAL DATA

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%

SECTION IV: FIRE AND EXPLOSION DATA

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

SECTION V: REACTIVITY DATA

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

SECTION VI: TOXICOLOGICAL PROPERTIES

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

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

SECTION VIII: FIRST AID MEASURES

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.

SPECIAL PRECAUTIONS

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.

PREPARATION INFORMATION

PREPARED BY: Hunnisett Chemicals Ltd. PHONE NUMBER: (416) 421-5212
24 HOUR EMERGENCY NUMBER: CANUTEC 1-613-996-6666

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.
