



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):

TECHNISTAN AG BRIGHTENER

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: 405426

MANUFACTURER'S NAME & ADDRESS:

PREPARED BY: ALLAN H. REED

TECHNIC INC.

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: 401-781-6100

DATE PREPARED: July 20, 2009

24 HOUR EMERGENCY: CHEM TREC 800-424-9300

OUTSIDE THE USA AND CANADA: 703-527-3887

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAMES

CAS NUMBER

PERCENT

EXPOSURE LIMITS

Methanesulfonic acid

75-75-2

3-6%

None reported

Aluminum sulfate

10043-01-3

3-6%

2 mg/m³ (Al) ACGIH TWA

SECTION 3

HAZARD IDENTIFICATION

SYMPTOMS OF OVER-EXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.

INHALATION:

Vapor or mist causes burning and irritation of the upper respiratory system.

CONTACT WITH SKIN OR EYES:

Solution can cause burns to the eyes. Skin exposure can cause irritation and burns.

ABSORBED THROUGH SKIN:

Not absorbed through the skin.

SWALLOWED:

Can cause burns of the lips, mouth, tongue, throat, esophagus and stomach.

SUSPECTED CANCER AGENT?

X

NO

YES

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS.

To the best of our knowledge, the toxicological properties of this material have not been thoroughly determined.

SECTION 4 FIRST AID MEASURES**FIRST AID: EMERGENCY PROCEDURES**

EYE CONTACT: Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

SKIN CONTACT: Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.

INHALED: Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness or irritation or difficulty in breathing.

SWALLOWED: If patient is conscious, rinse mouth and drink at least two large glasses of water. **DO NOT** induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT (°F) (METHOD USED): Not combustible.

AUTOIGNITION TEMPERATURE, °F: N.A.

FLAMMABLE LIMITS IN AIR, VOLUME, %: LOWER LIMIT: N.A. UPPER LIMIT: N.A.

FIRE EXTINGUISHING MATERIALS: Use media appropriate for the surrounding fire.

WATER CARBON DIOXIDE OTHER

FOAM DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: Full protective clothing and a NIOSH/MSHA self-contained breathing apparatus should be worn, if fully involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes under fire conditions.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate skin and eye protection. Contain spill and collect for disposal by suitable means such as absorption. Rinse spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers or other waterways.

SECTION 7**HANDLING AND STORAGE**

HANDLING AND STORAGE REQUIREMENTS: Store in cool dry place away from food products.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved respirator in a major spill.

EYES PROTECTION: Chemical safety goggles.

GLOVES: Compatible chemical resistant gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron.

WORK PRACTICES, HYGIENIC PRACTICES: Safety shower and eye bath. Wash thoroughly after handling.

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1):	N.D.	SPECIFIC GRAVITY:	1.05 +/- 0.05
VAPOR PRESSURE (MM Hg):	N.D.	MELTING POINT (°F):	N.A.
EVAPORATION RATE (BUTYL ACETATE=1):	N.D.	BOILING POINT (°F):	N.D.
SOLUBILITY IN WATER:	Complete	pH:	<1.0

APPEARANCE AND ODOR: Pale yellow liquid; no odor.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: X STABLE _____ UNSTABLE

CONDITIONS TO AVOID: Will emit toxic fumes under fire conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Fumes of carbon monoxide, carbon dioxide and sulfur oxides can be released when heated to dryness.

HAZARDOUS POLYMERIZATION: _____ MAY OCCUR X WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: No data reported.

IRRITATION DATA: No data reported.

TOXICITY DATA: Dermal LD50 (rabbit) 2000mg/kg; methane sulfonic acid (MSA)
Oral LD50 (mouse) 6200mg/kg; sodium salt of MSA
Oral LD50 (mouse) 6207 mg/kg (aluminum sulfate)

TARGET ORGAN DATA: No data reported.

SECTION 12 ECOLOGICAL INFORMATION

This product may be harmful to aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all chemical wastes at an appropriate waste disposal facility. Follow all local, state, and federal regulations for disposal of waste chemicals.

SECTION 14 TRANSPORT INFORMATION

Not regulated by DOT (road, rail), IMDG (sea) or IATA/ICAO (air).

SECTION 15 REGULATORY INFORMATION

This product is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.
This product is not regulated by the California Proposition 65 list.
All ingredients are listed in the TSCA inventory.
For the purposes of the New Jersey Right to Know Law, the contents are partially known.

SECTION 16 OTHER INFORMATION

H	
Health	1
F	
Flammability	0
R	
Reactivity	0
Personal Protection	C