



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: AMMONIUM BISULFITE, 65% SOLUTION
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MSDS Date: December 5, 2003
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Ammonium Bisulfite, 65% Solution,
SYNONYMS: Ammonium Hydrogen Sulfite Solution
CHEMICAL NAME: Ammonium Bisulfite Solution
CHEMICAL FAMILY: Bisulfite

DOT SHIPPING INFORMATION: Bisulfites, Aqueous Solution,
8, UN 2693, PG III RQ = 5000 lbs

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Ammonium Bisulfite	10192-30-0		None known

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - HEALTH HAZARD DATA

CARCINOGENIC LISTING:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section.

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: Can cause irritation and burns to skin and eyes.

Ingestion: Can cause irritation and burns to the gastrointestinal tract.

SECTION III - HEALTH HAZARD DATA (Cont'd)

STATEMENT OF PRACTICAL TREATMENT:

Contact: Flush exposed area thoroughly with water. For eyes, flush with cool water for at least 15 minutes and obtain prompt medical attention.

Ingestion: If conscious, give several glasses of water or milk and call a physician immediately. **Do not** induce vomiting.



SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: Nonflammable

FLAMMABLE LIMITS:

Lel: N/A Uel: N/A

EXTINGUISHING MEDIA:

Use any.

SPECIAL FIRE-FIGHTING PROCEDURES:

None.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

SECTION V - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

None required.

VENTILATION:

Maintain adequate ventilation.

EYE PROTECTION:

Chemical splash goggles.

SKIN PROTECTION:

Rubber gloves.

OTHER PROTECTIVE EQUIPMENT:

As needed to prevent contact with the liquid.

SECTION VI - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Do not let the product come in contact with skin or eyes. Do not take internally.

SECTION VII - PHYSICAL DATA

BOILING POINT: Unknown

SPECIFIC GRAVITY: 1.37

VAPOR PRESSURE (mm Hg): essentially water

% VOLATILE, BY VOLUME: abt 30%

VAPOR DENSITY (air = 1): essentially water

EVAPORATION RATE: Unknown

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Clear, pale yellow solution with sulfur dioxide odor.



SECTION VIII - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS OR MATERIALS TO AVOID:
Avoid contact with acids.

HAZARDOUS DECOMPOSITION PRODUCTS:
Contact with acids will release sulfur dioxide.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Wear safety equipment. For small spills, absorb on sand or other non-combustible absorbent, and sweep into drums. For larger spills, dike the spill and put the material into drums. Flush residue to the drain with plenty of water.

WASTE DISPOSAL METHOD:

Dispose of in landfill or other suitable disposal site. Comply with all local, state and federal regulations.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.