



January 06, 2000

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Bleach III NR

Catalog Number: 55BL554

Formula: Aqueous Solution

SECTION II - Product and Hazardous* Ingredients Information

ITEM	CAS #	PERCENT	PEL	SARA	
				RQ/TPQ	
Ferric Ammonium PDTA	111687-36-6	10-15	N/A	N/A	N/A
*Acetic Acid	64-19-7	15-20	10 ppm (TWA)	N/A	N/A
Ammonium Nitrate **	6484-52-2	5-10	N/A	N/A	N/A
Ammonium Bromide	12124-97-9	5-10	N/A	N/A	N/A
Water	7732-18-5	45-50	N/A	N/A	N/A

** May be subject to SARA section 313 reporting requirements.

SECTION III - Physical Data

BOILING POINT: >212° F

VAPOR DENSITY (mmHg): ~0.6

SPECIFIC GRAVITY: ~1.19

EVAPORATION RATE: N/A

APPEARANCE AND ODOR: Greenish/brown, acetic acid odor.

VAPOR PRESSURE (mmHg): ~18

SOLUBILITY IN WATER: Complete

pH: ~4.70

PERCENT VOLATILE BY WEIGHT: ~65 %

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None

Flammable Limits: LEL: NA **UEL:** NA

Extinguishing Media: Media appropriate for surrounding fire.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosions Hazards: Fire or excessive heat may cause hazardous decomposition products.

SECTION V - Health Hazard Data

TLV (ACGIH): Acetic acid, 10 ppm (TWA).

Effects of Overexposure:

Inhalation: May cause irritation of respiratory tract. Expected to be a low hazard under normal conditions.

Eyes: May cause severe irritation and possible burns.

Skin: May cause severe irritation.

Ingestion: Do not take internally. May cause severe irritation and possible burns to the upper digestive tract.

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for 15 minutes. Seek medical attention.

Skin: Wash skin with soap and water. If irritation occurs, seek medical attention.

Ingestion: Drink 1-2 glasses of water. **DO NOT** induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air.

Carcinogenicity: N/A • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** N/A • **Synergistic Products:** N/A

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Metals and strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition may produce hydrogen bromide gas, ammonia, and oxides of nitrogen.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not store near strong oxidizers.

SECTION VII - Spill or Leak Procedure

Steps to be taken in Case Material is Released or Spilled: Wear protective clothing as specified in Section VIII. If federal, state and local laws permit, flush to the sewer with large amounts of water.

Waste Disposal: If federal, state and/or local laws permit, flush to sewer with large amounts of water. Otherwise dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - Special Protection Information

Respiratory Protection (Specify Type): If TLV or PEL limits are exceeded, use an appropriate respirator.

Ventilation: Good local mechanical ventilation should be sufficient.

Protective Equipment:

Gloves: Impervious gloves.

Eyes: Wear protective goggles.

Other: As necessary to prevent skin contact. Eyewash facilities in vicinity of use. The routine use of a non-alkaline type hand cleaner will minimize the possibility of an allergic skin reaction.

SECTION IX - Special Precautions

Precautions to be taken in Handling and Storage: Do not store or consume food, drink and tobacco in area. Do not store near strong oxidizers or metal containers. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of this materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.