



MATERIAL SAFETY DATA SHEET

REVISION DATE: 11/07/2011

REVISION NUMBER:

1

DATE PRINTED: 11/07/2011

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **Aluminum Brightener**

PRODUCT CODE: X-19926B

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3

Fire: 1/1

Reactivity: 0/0

Special/Protective Equipment: Acid/C

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
USA

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Toxic by oral exposure. Severe burns to mucous membranes of mouth, throat and digestive tract.

SKIN CONTACT: Causes severe burns. May cause blistering of skin if contaminated clothing is worn. Prolonged contact can cause skin damage.

INHALATION: Harmful if inhaled. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure.

EYE CONTACT: Corrosive. Causes eye burns. May cause corneal injury. May cause blindness.

CHRONIC EFFECTS: Dermatitis. Prolonged exposure may cause chronic effects.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Citric acid 77-92-9	5-10	Not applicable	Not applicable
Propylene glycol 57-55-6	1 - 5	Not applicable	Not applicable
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink promptly a large quantity of water, egg white, or gelatin solution. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SKIN: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Aid in breathing, if necessary, and get immediate medical attention.

Aluminum Brightener

4. FIRST AID MEASURES

EYES: Remove contact lenses after the first 5 minutes and continue rinsing. In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): Not determined (C): Not determined

METHOD: None

FLAMMABLE LIMITS IN AIR

LOWER (%): No data

UPPER (%): No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing equipment and rubber protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Reclaim as much as possible. Pick up with absorbant material.

LARGE SPILLS: Neutralize with lime, soda ash, or sodium bicarbonate. Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers. Keep out of drains, sewers, streams, or other bodies of water.

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat and sources of ignition. Store in a cool, dry area. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Do not apply directly to water. Avoid contact with skin and eyes. Keep container closed when not in use.

OTHER PRECAUTIONS: No other spill procedures necessary.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Ensure adequate ventilation, especially in confined areas.

RESPIRATORY PROTECTION: Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV. Wear self-contained breathing apparatus.

PROTECTIVE GLOVES: Chemical resistant gloves are recommended to minimize skin contact. Nitrile (NBR). Neoprene. Rubber gloves.

EYE PROTECTION: Goggles. Safety Glasses.

OTHER PERSONAL PROTECTION EQUIPMENT: Rubber apron. Appropriate protective clothing as needed to prevent skin contact. Rubber boots.

VENTILATION: Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollutions control regulations. Eliminate ignition sources.

Aluminum Brightener

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	Not determined	(C) Not determined
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	8.512 lbs/gal.	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.024	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	< 2	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Toxic fumes. Nitrogen oxides. Oxides of Phosphorus. Hydrogen gas may be released by contact with certain metals.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong alkalis. Alcohols. Oxidizing materials. Metals. Acids. Hypochlorites (bleach.)
CONDITIONS/HAZARDS TO AVOID:	Extreme heat, direct sunlight. Strong oxidizers. Alkalines

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	Dispose in accordance with Federal, State and Local regulations.
-------------------------	--

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Citric acid 77-92-9	5-10	Listed	Listed	Listed	Not Listed
Propylene glycol 57-55-6	1 - 5	Listed	Listed	Listed	Not Listed
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Listed	Listed	Listed	Not Listed

Aluminum Brightener

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Citric acid 77-92-9	5-10	Not Listed	Not Listed	Not Listed
Propylene glycol 57-55-6	1 - 5	Not Listed	Not Listed	Not Listed
AMMONIUM BIFLUORIDE 1341-49-7	< 1	100 lb 45.4 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Citric acid 77-92-9	5-10	Listed
Propylene glycol 57-55-6	1 - 5	Listed
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Propylene glycol 57-55-6	1 - 5	Listed
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Propylene glycol 57-55-6	1 - 5	Listed
AMMONIUM BIFLUORIDE 1341-49-7	< 1	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***