



with ASHLAND TECHNOLOGY

# MATERIAL SAFETY DATA SHEET

REVISION DATE: 05/07/2013

REVISION NUMBER: 1

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## 1. CHEMICAL PRODUCT

PRODUCT NAME: **ADVANTAGE PLUS 1400**

PRODUCT CODE: 119619

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

Health: 3/3 Fire: 0/0  
Reactivity: 1/1 Special/Protective Equipment: CORR/D

NAME OF THE MANUFACTURER: Rochester Midland Corporation  
155 Paragon Drive  
Rochester, New York 14624  
USA  
Emergency Phone:  
INFOTRAC: 1-800-535-5053  
OUTSIDE US: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

### EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May be harmful if swallowed. May be fatal if swallowed. Causes irritation of the stomach and intestines, resulting in nausea and/or vomiting. Causes burns of the mouth, throat and stomach.  
SKIN CONTACT: Causes skin burns which may not be immediately painful or visible.  
INHALATION: May be harmful if inhaled. May be fatal if inhaled. Inhalation of mist may cause damage to nasal and respiratory passages.  
EYE CONTACT: May cause permanent eye damage. May Cause Eye Burns. May cause corneal injury. May cause blindness.  
CHRONIC EFFECTS: None known.  
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
Sodium lignosulfate 8061-51-6	1 - 5	Not applicable	Not applicable
Tetrasodium EDTA 64-02-8	5 - 10	Not applicable	Not applicable
Trisodium hydroxyethane disphosphate 29329-71-3	1 - 5	Not applicable	Not applicable

## 4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.  
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.

**4. FIRST AID MEASURES**

**INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

**NOTES TO PHYSICIAN:** None.

**5. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** (F): None to boiling (C): None to boiling

**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:** Dry chemical. Carbon dioxide. Water.

**FIRE FIGHTING PROCEDURES:** Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL PROCEDURES:**

**SMALL SPILLS:** Pick up with absorbant material.

**LARGE SPILLS:** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

**PERSONAL PRECAUTIONS:** Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.

**ENVIRONMENTAL PRECAUTIONS:** Keep out of drains, sewers, streams, or other bodies of water.

**METHODS FOR CLEANING UP:** Not applicable

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry location away from incompatible materials. Store in a well ventilated area. Keep from freezing. Keep container closed when not in use. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.

**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. Corrosion resistant equipment recommended.

**RESPIRATORY PROTECTION:** Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

**PROTECTIVE GLOVES:** Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

**EYE PROTECTION:** Goggles and face shield are recommended to minimize eye contact.

**OTHER PERSONAL PROTECTION EQUIPMENT:** Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product. Eyewash fountains and safety showers must be easily accessible.

**VENTILATION:** Mechanical ventilation as needed. Corrosion resistant equipment recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b>	Dark brown liquid.	
<b>BOILING POINT (F):</b>	212°	(C) 100°
<b>VAPOR PRESSURE:</b>	23.3 hPa	
<b>VAPOR DENSITY (AIR=1):</b>	Not determined	
<b>SOLUBILITY IN WATER:</b>	Not determined	
<b>SPECIFIC GRAVITY:</b>	1.11 - 1.13	
<b>BULK DENSITY:</b>	9.38	
<b>VOC Content (%):</b>	0	
<b>EVAPORATION RATE:</b>	<1	
<b>PH:</b>	12.1 min.	

**10. STABILITY AND REACTIVITY**

<b>STABILITY DATA:</b>	STABLE
<b>POLYMERIZATION:</b>	Will Not Occur.
<b>HAZARDOUS DECOMPOSITION:</b>	Ammonia. Nitrogen oxides. Toxic fumes. Carbon Dioxide. Carbon Monoxide. Oxides of Sulfur. Oxides of Sodium.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Acids. Aluminum. copper Metals. Nickel. Nitrogen compounds such as ammonia or urea. Oxidizing materials. Reactive metals such as aluminum and magnesium. Stainless steel. Bases, such as caustic soda, bleach, ammonia, etc. Water. Zinc
<b>CONDITIONS/HAZARDS TO AVOID:</b>	Extreme heat, direct sunlight. Moisture.

**11. TOXICOLOGICAL INFORMATION**

<b>ACUTE TOXICITY:</b>	Not Established
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	Not established.
<b>OTHER TOXIC EFFECTS:</b>	Not established.

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

<b>WASTE DISPOSAL METHODS:</b>	Dispose in accordance with Federal, State and Local regulations.
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**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

## ADVANTAGE PLUS 1400

### 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sodium lignosulfate 8061-51-6	1 - 5	Listed	Listed	Listed	Not Listed
Tetrasodium EDTA 64-02-8	5 - 10	Listed	Listed	Listed	Not Listed
Trisodium hydroxyethane disphosphate 29329-71-3	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium lignosulfate 8061-51-6	1 - 5	Not Listed	Not Listed	Not Listed
Tetrasodium EDTA 64-02-8	5 - 10	Not Listed	Not Listed	Not Listed
Trisodium hydroxyethane disphosphate 29329-71-3	1 - 5	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

### 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.

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