



with **ASHLAND** TECHNOLOGY

## MATERIAL SAFETY DATA SHEET

REVISION DATE: 01/28/2014

REVISION NUMBER: 1

DATE PRINTED: 01/29/2014

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **DREW 2235**

PRODUCT CODE: 119652

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

Health: 3/3

Fire: 0/0

Reactivity: 0/0

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. Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces. Causes burns of the mouth, throat and stomach.

##### SKIN CONTACT:

May cause skin burns. May cause redness and blistering of skin. Moderate Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, and dryness.

##### INHALATION:

May be harmful if inhaled. May be fatal if inhaled. Causes irritation of the mouth, nose, and throat. May cause burns.

##### EYE CONTACT:

May cause permanent eye damage. May cause corneal injury. May cause blindness. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

##### CHRONIC EFFECTS:

Repeated overexposure may cause damage to liver, kidney, and red blood cells.

##### 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<br>CAS#               | %       | ACGIH TLV      | OSHA PELs      |
|-------------------------------------------|---------|----------------|----------------|
| Potassium phosphate<br>7778-53-2          | 1.5 - 5 | Not applicable | Not applicable |
| Sodium molybdate<br>7631-95-0             | 1.5 - 5 | Not applicable | Not applicable |
| POTASSIUM TOLYTRIAZOLE<br>64665-53-8      | 1.5 - 5 | Not applicable | Not applicable |
| Tetrapotassium Pyrophosphate<br>7320-34-5 | 1.5 - 5 | Not applicable | Not applicable |

### 4. FIRST AID MEASURES

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|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INGESTION:</b>          | DO NOT INDUCE VOMITING. Rinse mouth with water many times. Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person. |
| <b>SKIN:</b>               | Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.                                                         |
| <b>INHALATION:</b>         | 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.     |
| <b>EYES:</b>               | Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.                                                                |
| <b>NOTES TO PHYSICIAN:</b> | None.                                                                                                                                                                       |

**5. FIRE AND EXPLOSION HAZARD DATA**

|                                               |                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FLASH POINT:</b>                           | (F): None to boiling (C): None to boiling                                                                                                                                                         |
| <b>METHOD:</b>                                | None                                                                                                                                                                                              |
| <b>FLAMMABLE LIMITS IN AIR</b>                |                                                                                                                                                                                                   |
| <b>LOWER (%):</b>                             | No data                                                                                                                                                                                           |
| <b>UPPER (%):</b>                             | No data                                                                                                                                                                                           |
| <b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b> | NO                                                                                                                                                                                                |
| <b>SENSITIVITY TO STATIC DISCHARGE:</b>       | Sensitivity to static discharge is not expected.                                                                                                                                                  |
| <b>SUITABLE EXTINGUISHING MEDIA:</b>          | Dry chemical. Carbon dioxide. Water.                                                                                                                                                              |
| <b>FIRE FIGHTING PROCEDURES:</b>              | Use water spray to cool nearby containers and structures exposed to fire. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. |

**6. ACCIDENTAL RELEASE MEASURES**

|                                   |                                                                                                    |
|-----------------------------------|----------------------------------------------------------------------------------------------------|
| <b><u>SPILL PROCEDURES:</u></b>   |                                                                                                    |
| <b>SMALL SPILLS:</b>              | Pick up with absorbant material.                                                                   |
| <b>LARGE SPILLS:</b>              | Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.          |
| <b>PERSONAL PRECAUTIONS:</b>      | Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. |
| <b>ENVIRONMENTAL PRECAUTIONS:</b> | Keep out of drains, sewers, streams, or other bodies of water.                                     |
| <b>METHODS FOR CLEANING UP:</b>   | Not applicable                                                                                     |

**7. HANDLING AND STORAGE**

|                                                         |                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b> | Keep container closed when not in use. Store in a cool, dry location away from incompatible materials. Store in a well ventilated area. Keep from freezing. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. |
| <b>OTHER PRECAUTIONS:</b>                               | No other spill procedures necessary.                                                                                                                                                                                                                                   |
| <b>SPECIFIC USE(S):</b>                                 | Not applicable.                                                                                                                                                                                                                                                        |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****PROTECTIVE EQUIPMENT:**

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EXPOSURE CONTROLS:</b>      | None known.                                                                                   |
| <b>RESPIRATORY PROTECTION:</b> | Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.  |
| <b>PROTECTIVE GLOVES:</b>      | Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact. |
| <b>EYE PROTECTION:</b>         | 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>   | Amber liquid. Organic Odor. |          |
| <b>BOILING POINT (F):</b>     | 212°                        | (C) 100° |
| <b>VAPOR PRESSURE:</b>        | Not determined              |          |
| <b>VAPOR DENSITY (AIR=1):</b> | Not determined              |          |
| <b>SOLUBILITY IN WATER:</b>   | Not determined              |          |
| <b>SPECIFIC GRAVITY:</b>      | 1.244 - 1.274               |          |
| <b>BULK DENSITY:</b>          | 10.45 lbs/gal               |          |
| <b>VOC Content (%):</b>       | Not determined              |          |
| <b>EVAPORATION RATE:</b>      | Not determined              |          |
| <b>PH:</b>                    | 12.4 - 13                   |          |

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE

**POLYMERIZATION:** Will Not Occur.

**HAZARDOUS DECOMPOSITION:** Carbon Dioxide. Carbon Monoxide. Oxides of Nitrogen. Toxic fumes. Molybdenum. Oxides of Sodium. Hydrogen Cyanide. Oxides of Phosphorus.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids and oxidizers. Reducing agents.

**CONDITIONS/HAZARDS TO AVOID:** None known.

## 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

**15. REGULATORY INFORMATION**

| PRODUCT COMPOSITION<br>CAS#               | %       | TSCA:  | EINECS: | Canada DSL: | CA PROP 65: |
|-------------------------------------------|---------|--------|---------|-------------|-------------|
| Potassium phosphate<br>7778-53-2          | 1.5 - 5 | Listed | Listed  | Listed      | Not Listed  |
| Sodium molybdate<br>7631-95-0             | 1.5 - 5 | Listed | Listed  | Listed      | Not Listed  |
| POTASSIUM TOLYTRIAZOLE<br>64665-53-8      | 1.5 - 5 | Listed | Listed  | Listed      | Not Listed  |
| Tetrapotassium Pyrophosphate<br>7320-34-5 | 1.5 - 5 | Listed | Listed  | Listed      | Not Listed  |

| PRODUCT COMPOSITION<br>CAS#               | %       | CERCLA:    | SARA 302:  | SARA 313:  |
|-------------------------------------------|---------|------------|------------|------------|
| Potassium phosphate<br>7778-53-2          | 1.5 - 5 | Not Listed | Not Listed | Not Listed |
| Sodium molybdate<br>7631-95-0             | 1.5 - 5 | Not Listed | Not Listed | Not Listed |
| POTASSIUM TOLYTRIAZOLE<br>64665-53-8      | 1.5 - 5 | Not Listed | Not Listed | Not Listed |
| Tetrapotassium Pyrophosphate<br>7320-34-5 | 1.5 - 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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