

## 1. IDENTIFICATION

**IDENTIFIER (AS LABELED):** XLR-rate 2-17-17  
**RECOMMENDED USE/RESTRICTION:** Refer to Label for use and restrictions  
**MANUFACTURED FOR:** CHS  
**ADDRESS:** 5500 Cenex Drive  
Inver Grove Heights, MN 55077  
**EMERGENCY PHONE:** Chemtrec 1-800-424-9300; 24 hrs  
**BUSINESS PHONE:** 1-651-355-6000

Health	1
Fire	0
Reactivity	0

## 2. HAZARD(S) IDENTIFICATION

**HAZARD CLASSIFICATION:** Skin Irritation (2)  
Eye Irritation (2A)  
**SIGNAL WORD:** Warning  
**HAZARD STATEMENT(S):** Causes eye, skin irritation. Harmful if inhaled.  
**SYMBOL(S):**



**PRECAUTIONARY STATEMENT(S):** Wear protective gloves and clothing. Do not breathe mists/vapors. Seek medical attention if you feel unwell. Wash thoroughly after handling. If swallowed: seek medical attention if unwell. Remove contaminated clothing and wash before reuse. If in eyes or on skin: Rinse area with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye or skin irritation persists: seek medical attention.

**HAZARDS NOT CLASSIFIED:** Not Applicable  
**UNKNOWN ACUTE TOXICITY:** Not Applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENT(S)

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA			NIOSH
			TLV	STEL	PEL	STEL	IDLH	REL
Potassium Orthophosphate, Monobasic	7778-77-0	05-10%	NE	NE	NE	NE	NE	NE
Potassium Orthophosphate, Dibasic	7758-11-4	20-25%	NE	NE	NE	NE	NE	NE
Dipotassium Pyrophosphate	14691-84-0	00-05%	NE	NE	NE	NE	NE	NE
Urea	57-13-6	00-05%	NE	NE	NE	NE	NE	NE

## 4. FIRST-AID MEASURES

**INHALATION:** Remove person to fresh air and keep comfortable for breathing. If feeling unwell: seek medical attention.  
**EYES:** Hold eyelids open and flush with a steady stream of water for 15-20 minutes. If irritation persists: seek medical attention.  
**SKIN:** Wash affected area with soap and water. Irritation persists: seek medical attention. Remove contaminated clothing, wash before reuse.  
**INGESTION:** Rinse mouth. **DO NOT INDUCE VOMITING** unless directed by a medical professional. Seek medical attention if unwell.

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MATERIALS:** Not considered to be a fire hazard. Use extinguishing media applicable to the surrounding fire.  
**SPECIAL EQUIPMENT:** Use water spray to cool containers. Wear full protective clothing and self-contained breathing apparatus (SCBA).  
**SPECIFIC HAZARDS:** When heated to decomposition, this product will emit carbon, nitrogen and sulfur oxides; ammonia.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Contain material and place in containers for use as intended, or discard according to Federal, State and local regulations. If material enters a waterway, notify the appropriate authorities. Wear PPE according to Section 8.

## 7. HANDLING and STORAGE

**SAFE HANDLING:** Wash hands after handling material. Do not eat, drink, or smoke while handling material. Do not get in eyes, on skin or clothing. Not intended for human consumption.

**SAFE STORAGE:** Store in cool, dry, well-ventilated area away from incompatible materials.

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation

**RESPIRATORY:** Where appropriate, NIOSH approved mask

**EYE:** Appropriate for the task.

**HAND:** Impervious and compatible with material.

**BODY:** Appropriate for the task.

**OTHER PROTECTIVE MEASURES:** A safety eye wash and shower should be accessible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Light Green

**ODOR:** Not Established

**ODOR THRESHOLD:** Not Established

**PH:** 7.3

**MELT/FREEZE POINT:** Not Established

**BOILING POINT/RANGE:** Not Established

**FLASH POINT:** Not Established

**EVAPORATION RATE:** Not Established

**FLAMMABILITY:** Not Established

**UEL / LEL:** Not Established

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**RELATIVE DENSITY:** ~1.367

**SOLUBILITY(IES):** Water Soluble

**PARTITION COEFFICIENT:** Not Established

**AUTO-IGNITION:** Not Established

**DECOMPOSITION TEMP:** Not Established

**VISCOSITY:** Not Established

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Avoid incompatible materials.

**CHEMICAL STABILITY:** Stable under normal conditions

**CONDITIONS TO AVOID:** Heat

**INCOMPATIBLE MATERIALS:** Oxidizers, copper, aluminum, acids, alkalis, zinc

**HAZARDOUS POLYMERIZATION:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Not Established.

**NTP/IARC SUSPECTED CARCINOGEN:** Not suspected.

**SYMPTOMS OF EXPOSURE:** May cause eye and skin irritation.

**TOXICITY ESTIMATE(S):** Not established for product as a whole.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not Available

**PERSISTENCE AND DEGRADABILITY:** Long term degradation products may arise.

**BIOACCUMULATIVE POTENTIAL:** Products of degradation are not expected to be hazardous.

**MOBILITY IN SOIL:** Not tested as a whole

**OTHER ADVERSE EFFECTS:** Not Available

## 13. DISPOSAL CONSIDERATIONS

**SAFE HANDLING AND DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

## 14. TRANSPORTATION INFORMATION

**UN NUMBER/SHIPPING NAME:** Not Established

**TRANSPORT HAZARD CLASS(ES):** Not Established

**DOT:** Not dangerous goods

**PACKING GROUP:** Not Established

**ENVIRONMENTAL HAZARDS:** No

**TRANSPORT IN BULK:** Not regulated by ship type and pollution category

**SPECIAL PRECAUTIONS:** None

## 15. REGULATORY INFORMATION

**SARA 302:** No requirements.

**SARA 311/312:** No requirements.

**SARA 313:** No requirements.

**TSCA STATUS:** All constituents.

**CALIFORNIA PROPOSITION 65:** Not found.

**CERCLA (RQ):** No requirements

**STATE REGULATIONS:** No requirements

**EUROPEAN INVENTORY:** Constituents of this product are listed on EINECS

## 16. OTHER INFORMATION

The information and recommendations herein are taken from data contained in independent industry recognized references including NIOSH, OSHA, ANSI, and NFPA. No guarantee, express or implied, and no liability is assumed by CHS Inc. in conjunction with the use of this information.

**DATE OF PREPARATION:** 08/28/2013