



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: WSU 120

Chemical Family: Potassium Polyphosphate

Chemical Name: Blended Polyphosphate

Synonyms: None

MSDS Number: L20005

COMPANY INFORMATION

Water Solutions Unlimited, Inc.
295 Industrial Dr.
Franklin, Indiana 46131

Toll Free: 800-359-3570

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Specific chemical identity of ingredients withheld as proprietary information. Refer to remaining sections for information concerning the properties and effects of ingredients.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: Clear, slightly gray to slightly green in color, syrupy liquid, with no distinct odor

WARNING STATEMENTS

WARNING!

MAY CAUSE EYE AND SKIN IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: skin contact and inhalation

EYE CONTACT: No more than slightly irritating based on toxicity studies. The material may cause foreign body irritation in some individuals.

SKIN CONTACT: No more than slightly toxic or slightly irritating based on toxicity studies. Prolonged contact with the material may cause drying or chapping of the skin.

INHALATION: Inhalation of the mist or vapor may cause coughing and sneezing.

INGESTION: No more than slightly toxic if swallowed based on toxicity studies. No significant adverse health effects are

expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES OR ON SKIN, wash exposed areas with water. Immediate first aid is not likely to be required. However, this material can be removed with water. Wash heavily contaminated clothing before reuse.

IF INHALED, immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air. Remove material from eyes, skin and clothing.

IF SWALLOWED, immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice. Wash heavily contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

FLASH POINT: not combustible

HAZARDOUS PRODUCTS OF COMBUSTION: not applicable

EXTINGUISHING MEDIA: not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS: none

6. ACCIDENTAL RELEASE

Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush residual spill area with large amounts of water.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

7. HANDLING AND STORAGE

HANDLING: HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

STORAGE: Store in a cool, dry place to maintain product performance.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Where there is potential for eye contact, wear goggles and have eye flushing equipment immediately available.

SKIN PROTECTION: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application. Wear chemical goggles, a face shield, and chemical resistant clothing when splashing is likely. Wash immediately if skin is contaminated. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

RESPIRATORY PROTECTION: Avoid breathing vapor or mist. Use NIOSH/MSHA approved respiratory protection equipment (full facepiece recommended) when airborne exposure limits are exceeded (see below). If used, full facepiece replaces the need for face shield and/or chemical goggles. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.

VENTILATION: Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Formula: Proprietary
Appearance: Clear, slightly gray to green, syrupy liquid
Odor: no distinct odor
pH: 10.2
Boiling Point: 100 C
Freezing Point: 0 C
Specific Gravity: 1.53
Lbs/Gallon: 12.76

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of storage and handling.

MATERIALS TO AVOID: none known

HAZARDOUS DECOMPOSITION PRODUCTS: none known

HAZARDOUS POLYMERIZATION: will not occur

11. TOXICOLOGICAL INFORMATION

The ingredients in this material may cause foreign body irritation in some individuals. Prolonged contact with the material may cause irritation of the skin. Excessive inhalation of mist or vapor may be annoying.

Data from vendor of single-dose (acute) animal studies of ingredients in this material are given below:

Oral - rat LD50: 2,980 mg/kg; slightly toxic
Dermal - rabbit LD50: > 7,940 mg/kg; practically nontoxic
Eye Irritation - rabbit: 11.1/110.0; slightly irritating
Skin Irritation - rabbit: 0.5/8.0 (24-hr. exposure); practically nonirritating

Following repeated exposure (13-weeks) to ingredients in this product in their food, kidney damage with changes in body weight, food consumption, clinical parameters and organ weights were reported at high-dose levels in rats.

12. ECOLOGICAL INFORMATION

Vendor has not conducted environmental toxicity studies or biodegradation studies with this product or ingredients in this product.

13. DISPOSAL CONSIDERATIONS

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Consult your attorney or appropriate regulatory officials for information on such disposal.

14. TRANSPORT INFORMATION

Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

15. REGULATORY INFORMATION

TSCA Inventory (Ingredients): Listed

SARA Hazard Notification (Ingredients)

Hazard Categories Under Title III Rules (40 CFR 370): not applicable

Section 302 Extremely Hazardous Substances: not applicable

Section 313 Toxic Chemical(s): not listed

CERCLA Reportable Quantity: not applicable

Refer to Section 13 for RCRA classification.

16. OTHER INFORMATION

This material is certified to ANSI/NSF Standard 60 by NSF® International for use in potable water systems.

Revised MSDS supersedes MSDS dated 03/10/1998

Product Use: potable water treatment

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