



**5. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT (F):** None (C): NA  
**METHOD:** TCC

**FLAMMABLE LIMITS IN AIR**

- LOWER (%): None  
 - UPPER (%): None

**SENSITIVITY TO MECHANICAL IMPACT(Y/N):** NO  
**SENSITIVITY TO STATIC DISCHARGE:** Sensitivity to static discharge is not expected.  
**SUITABLE EXTINGUISHING MEDIA:** As appropriate for surrounding fire-product is mostly water and will not burn.  
**FIRE FIGHTING PROCEDURES:** None.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL PROCEDURES:**

**SMALL SPILLS:** Mop up all possible. Rinse down drain.  
**LARGE SPILLS:** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

**PERSONAL PRECAUTIONS:** NA  
**ENVIRONMENTAL PRECAUTIONS:** NA  
**METHODS FOR CLEANING UP:** NA

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry area. Store in a well ventilated area. Keep from freezing. Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed.  
**OTHER PRECAUTIONS:** Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.  
**SPECIFIC USE(S):** NA

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PROTECTIVE EQUIPMENT:**



**EXPOSURE CONTROLS:** Use in a well ventilated area.  
**RESPIRATORY PROTECTION:** None normally required. Use NIOSH approved alkaline respirator with dust/mist filter as needed to meet exposure limits if product is used in a manner which creates dust or mist above recommended exposure limits.  
**PROTECTIVE GLOVES:** Rubber or plastic gloves recommended to minimize skin contact.  
**EYE PROTECTION:** Safety Glasses. Goggles.  
**OTHER PERSONAL PROTECTION EQUIPMENT:** Rubber boots. Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.  
**VENTILATION:** General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Clear, colorless liquid.  
**BOILING POINT (F):** As water (C) NA  
**VAPOR PRESSURE:** As water

**9. PHYSICAL AND CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR=1): As water  
 SOLUBILITY IN WATER: NA  
 SPECIFIC GRAVITY: 1.036 - 1.044  
 VOC Content (%): 0  
 VOV Content (%): NE  
 EVAPORATION RATE: As water  
 PH: 11.0 - 11.5

**10. STABILITY AND REACTIVITY**

STABILITY DATA: STABLE  
 POLYMERIZATION: Will Not Occur.  
 HAZARDOUS DECOMPOSITION: Hydrogen halides  
 INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients.  
 CONDITIONS/HAZARDS TO AVOID: None.

**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: NE  
 EFFECTS OF CHRONIC EXPOSURE: NE  
 OTHER TOXIC EFFECTS: NE

**12. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION: No data at this time  
 CHEMICAL FATE INFORMATION: No data at this time.  
 MOBILITY: NA  
 PERSISTENCE/DEGRADABILITY: NA  
 BIOACCUMULATIVE POTENTIAL: NA  
 OTHER ADVERSE EFFECTS: NA

**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:
Potassium citrate 866-84-2	< 1	Listed	Not Listed	Listed	Not Listed
Sodium xylene sulfonate 1300-72-7	1 - 5	Listed	Not Listed	Listed	Not Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 5	Listed	Listed	Listed	Not Listed
TKPP tetrapotassium pyrophosphate 7320-34-5	1 - 5	Listed	Not Listed	Listed	Not Listed

**EXCEL NS-SW**

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>CERCLA:</b>	<b>SARA 302:</b>	<b>SARA 313:</b>
Potassium citrate 866-84-2	< 1	Not Listed	Not Listed	Not Listed
Sodium xylene sulfonate 1300-72-7	1 - 5	Not Listed	Not Listed	Not Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 5	Not Listed	Not Listed	Listed
TKPP tetrapotassium pyrophosphate 7320-34-5	1 - 5	Not Listed	Not Listed	Not Listed

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>Canada WHMIS:</b>
Potassium citrate 866-84-2	< 1	Listed
Sodium xylene sulfonate 1300-72-7	1 - 5	Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 5	Listed
TKPP tetrapotassium pyrophosphate 7320-34-5	1 - 5	Listed

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

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>MARTK:</b>
Dipropylene glycol methyl ether 34590-94-8	1 - 5	Listed

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

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>NJRTK:</b>
Dipropylene glycol methyl ether 34590-94-8	1 - 5	Listed

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

<b>PRODUCT COMPOSITION CAS#</b>	<b>%</b>	<b>PARTK:</b>
Dipropylene glycol methyl ether 34590-94-8	1 - 5	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 \*\*\*