

4. FIRST AID MEASURES

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): >212° F (C): Not determined

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): ND

UPPER (%): ND

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing equipment and rubber protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Reclaim as much as possible. Flush residue with water.

LARGE SPILLS: Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable


7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Wash thoroughly after handling. Store in a cool, dry area. Keep container closed when not in use.

OTHER PRECAUTIONS: Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: 

EXPOSURE CONTROLS: None known.

RESPIRATORY PROTECTION: Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION: Goggles.

OTHER PERSONAL PROTECTION EQUIPMENT: None required.

VENTILATION: Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollutions control regulations. Eliminate ignition sources.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear brown liquid. Mild odor.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): >212° F (C) Not determined
VAPOR PRESSURE: < 1 @ 20°C (68° F)
VAPOR DENSITY (AIR=1): > 1
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.350 - 1.390
VOC Content (%): 0
EVAPORATION RATE: < 1
PH: > 13

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Carbon Dioxide. Carbon Monoxide. Ammonia. Nitrous Oxide. Unidentified organic compounds.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight.

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

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
POTASSIUM HYDROXIDE 1310-58-3	< 25	Listed	Listed	Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 10	Listed	Listed	Listed	Not Listed
TKPP tetrapotassium pyrophosphate 7320-34-5	12	Not Listed	Not Listed	Not Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
POTASSIUM HYDROXIDE 1310-58-3	< 25	1000 lb 454 kg	Not Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 10	1000 lb 454 kg	Not Listed	Not Listed
TKPP tetrapotassium pyrophosphate 7320-34-5	12	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
POTASSIUM HYDROXIDE 1310-58-3	< 25	Listed
SODIUM HYDROXIDE 1310-73-2	< 10	Listed

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

PRODUCT COMPOSITION CAS#	%	MARTK:
POTASSIUM HYDROXIDE 1310-58-3	< 25	Listed
SODIUM HYDROXIDE 1310-73-2	< 10	Listed

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

PRODUCT COMPOSITION CAS#	%	NJRTK:
POTASSIUM HYDROXIDE 1310-58-3	< 25	Listed
SODIUM HYDROXIDE 1310-73-2	< 10	Listed

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

PRODUCT COMPOSITION CAS#	%	PARTK:
POTASSIUM HYDROXIDE 1310-58-3	< 25	Listed
SODIUM HYDROXIDE 1310-73-2	< 10	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 ***