



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012
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REVISION NUMBER: 3
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: R-ACTIVATOR, Acidic Activator for Oxine Sanitizing Solution

PRODUCT CODE: 117944

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

Health:	3/3	Fire:	0/0
Reactivity:	1/1	Special/Protective Equipment:	Acid/C

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
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2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:	Severe burns to mucous membranes of mouth, throat and digestive tract.
SKIN CONTACT:	Prolonged contact causes severe burns which may not be immediately painful or visible.
INHALATION:	Inhalation of spray mist may be irritating. Inhalation of mist may cause damage to nasal and respiratory passages.
EYE CONTACT:	Causes eye burns. May cause permanent eye damage. May cause blindness.
CHRONIC EFFECTS:	Dermatitis. Possible respiratory damage from inhalation of dust or mist.
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 CAS#	%	ACGIH TLV	OSHA PELs
Phosphoric acid 7664-38-2	30	1 mg/m ³	1 mg/m ³

4. FIRST AID MEASURES

INGESTION:	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
SKIN:	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.
INHALATION:	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.
EYES:	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. Remove contact lenses.
NOTES TO PHYSICIAN:	None.

5. FIRE AND EXPLOSION HAZARD DATA

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5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None	(C): None
METHOD:	None	
FLAMMABLE LIMITS IN AIR		
LOWER (%):	No data	
UPPER (%):	No data	
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO	
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.	
SUITABLE EXTINGUISHING MEDIA:	As for surrounding fire. Product will not burn.	
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray. Containers can build up pressure if exposed to heat (fire).	

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material. Flush residue with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

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:

DANGER: Concentrated acidic liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area.

Store in a well ventilated area. Mix only with water. When cleaning aluminum or galvanized surfaces, use explosion proof equipment to remove any hydrogen gas.

OTHER PRECAUTIONS: Do not reuse container. Read and follow label instructions. Keep out of reach of children.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

PROTECTIVE GLOVES:

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

EYE PROTECTION:

Goggles and face shield are recommended to minimize eye contact.

OTHER PERSONAL PROTECTION EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. Eyewash fountains and safety showers must be easily accessible. 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.

VENTILATION:

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Corrosion resistant equipment recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear red. Odorless. Liquid.

BOILING POINT (F):

245° F

(C) 118.3° C

VAPOR PRESSURE:

Not determined

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9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1):	Not determined
SOLUBILITY IN WATER:	Not determined
SPECIFIC GRAVITY:	1.16
VOC Content (%):	Not determined
EVAPORATION RATE:	Less than water
PH:	(1% solution) 2.0

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	If evaporated to dryness, as in a fire, material may burn, releasing: Soot. Smoke. Carbon Monoxide. Oxides of Phosphorus.
INCOMPATIBILITY (MATERIALS TO AVOID):	Do not mix with: Alkalines. Chlorine containing materials. Peroxides. Reducing agents. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
CONDITIONS/HAZARDS TO AVOID:	None.

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.
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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:
Phosphoric acid 7664-38-2	30	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Phosphoric acid 7664-38-2	30	2270 kg 5000 lb	Not Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Phosphoric acid 7664-38-2	30	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:
Phosphoric acid 7664-38-2	30	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:
Phosphoric acid 7664-38-2	30	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:
Phosphoric acid 7664-38-2	30	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 ***