



MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008 REVISION NUMBER: 2
DATE PRINTED: 11/11/2008 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **SCALE OFF 91**
PRODUCT CODE: 118415

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

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

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes burns of the mouth, throat and stomach. May cause liver and kidney damage.
SKIN CONTACT: Causes severe skin irritation with tissue destruction.
INHALATION: Causes irritation of the mouth,nose,and throat. Causes lung irritation.
EYE CONTACT: Corrosive. Causes eye burns. Causes severe eye irritation. Will damage tissue.
CHRONIC EFFECTS: None known.
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	30.0-60.0	1 mg/m ³	1 mg/m ³
2-BUTOXYETHANOL 111-76-2	1.0-5.0	20 ppm	240 mg/m ³ 50 ppm

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Rinse mouth. Get immediate medical attention.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
Get medical attention.
INHALATION: If inhaled, move victim to fresh air and seek medical attention.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

5. FIRE AND EXPLOSION HAZARD DATA

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

FLAMMABLE LIMITS IN AIR

SCALE OFF 91

- 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:

Product will not be expected to burn unless all the water is boiled away. As for surrounding fire. Water.

FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Pick up with absorbant material.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS: NA

ENVIRONMENTAL PRECAUTIONS: NA

METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Keep container closed when not in use. DANGER: Concentrated acidic liquid. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid prolonged contact. Avoid creating mists or aerosols. Store away from bases.

OTHER PRECAUTIONS:

Use only with sufficient ventilation.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

Cartridge respirator.

PROTECTIVE GLOVES:

Butyl rubber. Neoprene. Nitrile gloves. PVC.

EYE PROTECTION:

Goggles. Face shield.

**OTHER PERSONAL PROTECTION
EQUIPMENT:**

Eyewash fountains and safety showers must be easily accessible.

VENTILATION:

General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear liquid. Mild odor.

BOILING POINT (F):

NA

(C) NA

SOLUBILITY IN WATER:

Complete

SPECIFIC GRAVITY:

1.37

VOV Content (%):

NE

PH:

< 1 (100%)

10. STABILITY AND REACTIVITY

STABILITY DATA:

STABLE

POLYMERIZATION:

Will Not Occur.

HAZARDOUS DECOMPOSITION:

Oxides of Carbon. Oxides of Phosphorus.

**INCOMPATIBILITY (MATERIALS TO
AVOID):**

Strong acids, bases and oxidizing agents. Reactive metals such as aluminum and magnesium.

SCALE OFF 91

10. STABILITY AND REACTIVITY

CONDITIONS/HAZARDS TO AVOID: Freezing conditions.

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:
-PHOSPHORIC ACID ... %~ 7664-38-2	30.0-60.0	Listed	Listed	Listed	Not Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
-PHOSPHORIC ACID ... %~ 7664-38-2	30.0-60.0	2270 kg 5000 lb	Not Listed	Not Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	Not Listed	Not Listed	Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
-PHOSPHORIC ACID ... %~ 7664-38-2	30.0-60.0	Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	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	30.0-60.0	Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	Listed

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

SCALE OFF 91

PRODUCT COMPOSITION CAS#	%	NJRTK:
~PHOSPHORIC ACID ... %~ 7664-38-2	30.0-60.0	Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	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	30.0-60.0	Listed
2-BUTOXYETHANOL 111-76-2	1.0-5.0	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 ***