



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: **PROKLEEN 1790**
PRODUCT CODE: 118408

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: ALK/B

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 be fatal if swallowed.
SKIN CONTACT: Causes severe burns.
INHALATION: Causes mild respiratory irritation.
EYE CONTACT: Corrosive to eye tissue and may cause severe damage and blindness. Dust may cause irritation and inflammation.
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
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	NA	2 mg/m ³
Monoethanolamine 141-43-5	1.0-5.0	3 ppm	3 ppm 6 mg/m ³
2-BUTOXYETHANOL 111-76-2	25	20 ppm	240 mg/m ³ 50 ppm

4. FIRST AID MEASURES

INGESTION: Never give anything by mouth to an unconscious person.
SKIN: Continue rinsing until slippery feeling is gone. Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.
INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
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: Probable mucosal damage may contraindicate gastric lavage.

5. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (F): >200 F Setaflash (C): NA
METHOD: None

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:

Product will not support combustion. Water. Foam. Dry chemical.

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

PERSONAL PRECAUTIONS: NA

ENVIRONMENTAL PRECAUTIONS: NA

METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:

DANGER: Concentrated, alkaline liquid. Avoid contact with eyes, skin and clothing.

OTHER PRECAUTIONS:

No other spill procedures necessary.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required. NIOSH approved organic vapor respirator.

PROTECTIVE GLOVES:

Rubber gloves.

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. Sweet odor.

BOILING POINT (F):

NA

(C) NA

VAPOR PRESSURE:

NA

VAPOR DENSITY (AIR=1):

NA

SOLUBILITY IN WATER:

Complete

SPECIFIC GRAVITY:

1.01

VOV Content (%):

NE

EVAPORATION RATE:

As water

PH:

12.0 (4%)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Nitrogen oxides.
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Strong acids and oxidizers.
CONDITIONS/HAZARDS TO AVOID: Open flames. Keep away from heat, sparks and flame.

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:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	Listed	Listed	Listed	Not Listed
Monoethanolamine 141-43-5	1.0-5.0	Listed	Listed	Listed	Not Listed
2-BUTOXYETHANOL 111-76-2	25	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	1000 lb 454 kg	Not Listed	Not Listed
Monoethanolamine 141-43-5	1.0-5.0	Not Listed	Not Listed	Not Listed
2-BUTOXYETHANOL 111-76-2	25	Not Listed	Not Listed	Listed

PROKLEEN 1790

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	Listed
Monoethanolamine 141-43-5	1.0-5.0	Listed
2-BUTOXYETHANOL 111-76-2	25	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:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	Listed
Monoethanolamine 141-43-5	1.0-5.0	Listed
2-BUTOXYETHANOL 111-76-2	25	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:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	Listed
Monoethanolamine 141-43-5	1.0-5.0	Listed
2-BUTOXYETHANOL 111-76-2	25	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:
SODIUM HYDROXIDE 1310-73-2	1.0-5.0	Listed
Monoethanolamine 141-43-5	1.0-5.0	Listed
2-BUTOXYETHANOL 111-76-2	25	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 ***