

MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/13/2012

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REVISION NUMBER:

PREPARED BY:

EH&S DEPARTMENT

CHEMICAL PRODUCT

PRODUCT NAME:

F-364, Liquid Chlorinated Alkaline Cleaner

PRODUCT CODE:

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

Health:

3/3

0/0

Reactivity:

1/1

Special/Protective Equipment:

ALK/C

NAME OF THE

MANUFACTURER:

Rochester Midland Corporation

155 Paragon Drive

Rochester, New York 14624

USA

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.

SKIN CONTACT:

Causes moderate skin irritation. Prolonged contact causes severe burns which may not be

immediately painful or visible.

INHALATION:

Inhalation of mist will irritate mucous membranes. Inhalation of mist may cause damage to

nasal and respiratory passages.

EYE CONTACT:

Causes severe eye burns. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS:

Dermatitis. Possible respiratory damage from inhalation of dust or mist. None listed under OSHA, IARC, or NTP.

EFFECTS/CARCINOGENICITY: **ROUTES OF ENTRY:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION CAS# | % | ACGIH TLV | OSHA PELs |
|---|--------|----------------|----------------|
| SODIUM HYDROXIDE 1310-73-2 | 10 max | Not applicable | 2 mg/m³ |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | Not applicable | Not applicable |

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. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns

develop.

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:

None.

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FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

(F): None to boiling (C): None

to boiling

METHOD:

TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): UPPER (%): No data No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): SENSITIVITY TO STATIC DISCHARGE:

SENSITIVITY TO STATIC DISCHARGE SUITABLE EXTINGUISHING MEDIA: FIRE FIGHTING PROCEDURES:

NO

Sensitivity to static discharge is not expected.

Water, or Carbon dioxide.

Corrosive material. Avoid exposure to mist and splashes. Firefighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to

cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: LARGE SPILLS: Pick up with absorbant material.

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush

remainder with water.

PERSONAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS: METHODS FOR CLEANING UP: Not applicable Not applicable

Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use. Avoid contact with skin and eyes. Use only in a well

ventilated area. Store in a cool, dry area.

Do not reuse container. Contents may develop pressure upon prolonged storage; loosen

closure cautiously before opening. Keep out of reach of children.

OTHER PRECAUTIONS:

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: RESPIRATORY PROTECTION: PROTECTIVE GLOVES: EYE PROTECTION:

OTHER PERSONAL PROTECTION

EQUIPMENT:

Use in a well ventilated area.

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely. Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact. Goggles and face shield are recommended to minimize eye contact.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

BOILING POINT (F):

Clear. Light. amber Light yellow liquid. Chlorine odor.

(C) Not determined

VAPOR PRESSURE:

Not determined Not determined

VAPOR DENSITY (AIR=1):

Not determined

SOLUBILITY IN WATER:

Not determined

SPECIFIC GRAVITY: VOC Content (%):

1.14 - 1.16 Not determined

Not determined

EVAPORATION RATE: PH·

> 14

10. STABILITY AND REACTIVITY

STABILITY DATA:

STABLE

POLYMERIZATION:

Will Not Occur.

HAZARDOUS DECOMPOSITION:

Chlorine gas. Oxygen.

INCOMPATIBILITY (MATERIALS TO

Mix only with water. Do not mix with acidic materials. Interaction with ammonia-containing

materials may liberate ammonia gas.

CONDITIONS/HAZARDS TO AVOID:

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Not Established

EFFECTS OF CHRONIC EXPOSURE: Not established.

OTHER TOXIC EFFECTS:

Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL

No data at this time

INFORMATION:

No data at this time.

CHEMICAL FATE INFORMATION: 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: |
|---|--------|--------|---------|-------------|-------------|
| SODIUM HYDROXIDE 1310-73-2 | 10 max | Listed | Listed | Listed | Not Listed |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | Listed | Listed | Listed | Not Listed |

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| PRODUCT COMPOSITION CAS# | % | CERCLA: | SARA 302: | SARA 313: |
|---|--------|-------------------|------------|------------|
| SODIUM HYDROXIDE 1310-73-2 | 10 max | 1000 lb 454 kg | Not Listed | Not Listed |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | 100 lb 45.4 kg | Not Listed | Not Listed |

| PRODUCT COMPOSITION CAS# | % | Canada WHMIS: |
|---|--------|---------------|
| SODIUM HYDROXIDE 1310-73-2 | 10 max | Listed |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | 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 | 10 max | Listed | |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | Listed | |

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

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|---|--|--------|--------|--|--|
| | PRODUCT COMPOSITION CAS# | % | NJRTK: | | |
| | SODIUM HYDROXIDE 1310-73-2 | 10 max | Listed | | |
| | SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | Listed | | |

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

| IEVEIS. | | |
|---|--------|--------|
| PRODUCT COMPOSITION | % | PARTK: |
| CAS# | | |
| SODIUM HYDROXIDE 1310-73-2 | 10 max | Listed |
| SODIUM HYPOCHLORITE, SOLUTION % CL ACTIVE 7681-52-9 | 3 max | 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 ***