

# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**PRODUCT NAME:** BFW-131 (UK)  
**PRODUCT CODE:** 6554  
**NAME OF THE MANUFACTURER:** Rochester Midland Corporation Ltd.  
Unit 24, Nine Mile Point Industrial Estate  
Cwmfelinfach, Crosskeys, Gwent  
Wales, UK NP11 7HZ  
Tel No. +44 1495 200005  
Fax No. +44 1495 201416  
proberts@rmcorp.co.uk  
**EMERGENCY PHONE:** +44 1495 200005 (24 hours per day)  
**APPLICATION:** According to Regulation (EC) 1907/2006

## 2. HAZARDS IDENTIFICATION

### MOST IMPORTANT HAZARDS

- Causes severe burns

**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<br>CAS#            | %        | EINECS Number | EEC Classification and Risk Phrases |
|----------------------------------------|----------|---------------|-------------------------------------|
| SODIUM HYDROXIDE<br>1310-73-2          | 2.5 max. | 215-185-5     | C;R35                               |
| Tetrasodium EDTA<br>64-02-8            | 1 - 5    | -             |                                     |
| Sodium polymetaphosphate<br>10124-56-8 | 5 - 10   | 233-343-1     |                                     |

For the full text of the R phrases mentioned in this Section, see Section 16

## 4. FIRST AID MEASURES

**INGESTION:** DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate 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 to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**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 FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** As for surrounding fire. Product will not burn.

**5. FIRE FIGHTING MEASURES****SENSITIVITY TO MECHANICAL IMPACT(Y/N):**

NO

**SENSITIVITY TO STATIC DISCHARGE:**

Sensitivity to static discharge is not expected.

**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.

**6. ACCIDENTAL RELEASE MEASURES****SPILL PROCEDURES:****SMALL SPILLS:**

Flush 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, alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store indoors. Store only in original container and keep closed. Store in a cool, dry area.

**OTHER PRECAUTIONS:**

Store in a well ventilated area. Mix only with water.

Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.

**SPECIFIC USE(S):**

Not applicable.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****PROTECTIVE EQUIPMENT:****EXPOSURE CONTROLS:**

None known.

**RESPIRATORY PROTECTION:**

If product is used in manner which creates vapor, dust or mist above recommended exposure limits, a NIOSH/MSHA approved chlorine respirator with dust/mist filter may be needed in absence of proper environmental controls.

**PROTECTIVE GLOVES:**

Rubber or plastic gloves recommended to minimize skin contact.

**EYE PROTECTION:**

Goggles. Face shield.

**OTHER PERSONAL PROTECTION  
EQUIPMENT:**

Rubber boots. 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.

**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. Colorless liquid. Odorless.

**BOILING POINT (F):**

212 F (C) Not determined

**VAPOR PRESSURE:**

15.7 mm Hg @ 22.2 C

**VAPOR DENSITY (AIR=1):**

0.625

**SOLUBILITY IN WATER:**

NOT APPLICABLE

**SPECIFIC GRAVITY:**

1.118 - 1.13

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                         |                          |
|-------------------------|--------------------------|
| VOC Content (%):        | NE                       |
| VOV Content (%):        | Not established          |
| EVAPORATION RATE:       | (BuAc = 1) : 1.26        |
| PH:                     | 13.3 +/- 0.2             |
| (F):                    | None (C): Not Applicable |
| METHOD:                 | None                     |
| FLAMMABLE LIMITS IN AIR |                          |
| LOWER (%):              | Not applicable           |
| UPPER (%):              | None                     |

**10. STABILITY AND REACTIVITY**

|                                       |                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STABILITY DATA:                       | STABLE                                                                                                                                                                                                                                                                                          |
| POLYMERIZATION:                       | Will Not Occur.                                                                                                                                                                                                                                                                                 |
| HAZARDOUS DECOMPOSITION:              | Hydrogen halides                                                                                                                                                                                                                                                                                |
| INCOMPATIBILITY (MATERIALS TO AVOID): | Do not mix with acidic materials. Neutralizes active ingredients. May react violently with strong acids. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source. |
| CONDITIONS/HAZARDS TO AVOID:          | None.                                                                                                                                                                                                                                                                                           |

**11. TOXICOLOGICAL INFORMATION**

|                              |                  |
|------------------------------|------------------|
| ACUTE TOXICITY:              | Not Established  |
| EFFECTS OF CHRONIC EXPOSURE: | Not established. |
| OTHER TOXIC EFFECTS:         | Not established. |

**EFFECTS FROM ACUTE EXPOSURE:**

|                  |                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------|
| INGESTION:       | Severe burns to mucous membranes of mouth, throat and digestive tract.                                                  |
| SKIN CONTACT:    | Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible. |
| INHALATION:      | Inhalation of spray mist may be irritating. Possible damage to mucous membranes of nose and throat.                     |
| 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.                                                |

**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**

**14. TRANSPORT INFORMATION**

UN NO. ROAD: 1824  
ADR CLASS No.: Class 8: Corrosive substances.  
ADR CLASS 8  
ADR PACK GR.: II  
Proper Shipping Name: Sodium Hydroxide Solution

RID CLASS No.: 8  
RID PACK GR.: II

IMDG UN No.: 1824  
IMDG CLASS 8  
IMDG PACK GR.: II

ICAO/IATA UN No.: 1824  
ICAO/IATA CLASS 8  
ICAO/IATA PACK GR.: II

**15. REGULATORY INFORMATION****LABEL FOR SUPPLY****R -PHRASE(S)**

R35 - Causes severe burns

**Text of R phrases mentioned in Section 3**

R35 - Causes severe burns

REVISION DATE: 08/25/2010  
REVISION NUMBER: 3  
SUPERCEDES: REV. 1 DATE: 09/26/2001

## **BFW-131 (UK)**

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### **Revision Comments**

Re-issued due to change in Company address.

### **PREPARED BY:**

EH&S DEPARTMENT

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 SDS \*\*\***