

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT IDENTIFICATION

**Product name** MIURA B108 **Chemical family**

**Product use** BOILER WATER TREATMENT

**Supplier** **MIURA** **Emergency Telephone #: 613-996-6666**  
8 Copernicus Blvd.  
Brantford, ON N3P 1Y4  
Tel: 519-758-8111

### SECTION 2 - INGREDIENTS

INGREDIENTS	CAS #	%	LC50 ppm (Rat, Inhal)	LD50 ppm (Rat, Oral)
SODIUM HYDROXIDE	1310-73-2	7-13	N/A	N/A
SODIUM POLYACRYLATE		1-5	N/A	N/A
SODIUM SULFITE	7757-83-7	3-7	N/A	N/A
SODIUM LIGNOSULFONATE	8061-51-6	1-5	N/A	N/A
MORPHOLINE	110-91-8	3-7	12000	1050

### SECTION 3 - PHYSICAL DATA

**Boiling Point:** < 00110 (Deg C) **Specific Gravity:** 1.09

**Vapor pressure:** N/A **Evaporation rate:** N/A

**Vapor density:** N/A **Solubility in water:** VERY SOLUBLE

**Volatiles in %:** 95 **Freezing point:** 0.0 Deg C

**pH:** 13 **Auto-ignition temperature:** N/A

**Coefficient of water/oil distribution:** N/A

**Appearance and odor:** A CLEAR BROWN LIQUID WITH A SLIGHT AMINE ODOUR.

**Odor Threshold:** N/A

### SECTION 4 - FIRE AND EXPLOSION DATA

**Flash Point (method):** N/A **LEL:** N/A **UEL:** N/A

**Extinguishing media:** NON-COMBUSTIBLE

**Special fire fighting instructions:** NONE

**Unusual fire and explosion hazards:** AVOID CONTACT WITH ZINC OR ALUMINUM AS EXPLOSIVE HYDROGEN WILL EVOLVE.

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### SECTION 5 - REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** STRONG ACIDS

**Hazard decomposition products:** NONE

**Polymerisation** Will not occur

### SECTION 6 - HEALTH HAZARD INFORMATION

**ROUTES OF EXPOSURE AND ACUTE EFFECTS**

**Exposure limit:** N/A

**Inhalation:**

**Skin:** PROLONGED EXPOSURE MAY CAUSE NAUSEA AND VOMITING AND HEADACHES.

**Eyes:** MODERATELY CORROSIVE TO SKIN.

**Ingestion:** CORROSIVE TO EYES.

**Chronic effects:** CONSIDERED HARMFUL.

### FIRST AID

**Inhalation:** NONE DETERMINED.

**Skin:** REMOVE VICTIM TO FRESH AIR ASSIST BREATHING IF NECESSARY. GET MEDICAL ATTENTION IF IRRITATION PERSISTS

**Eye:** FLUSH SKIN WITH LOTS OF WATER. REMOVE CONTAMINATED CLOTHING AND OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Ingestion:** FLUSH EYES THOROUGHLY WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

### SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

**Spill, leak or release:** DRINK SEVERAL GLASSES OF WATER AND OBTAIN IMMEDIATE MEDICAL ATTENTION.

**Waste disposal:**

DYKE TO CONTAIN AND ABSORB ON INERT ABSORBANT SUCH AS SAND OR EARTH.

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### SECTION 8 - SPECIAL PROTECTION INFORMATION]

**Respiratory protection** DISCHARGE ABSORBANT IN ACCORDANCE WITH LOCAL LANDFILL REGULATION FOR C

**Ventilation:**

**Protective Gloves:** General ventilation

**Eye protection:** RUBBER GLOVES.

**Other protective equipment:** CHEMICAL GOGGLES OR FACE SHIELD.

### SECTION 9 - SPECIAL PRECAUTIONS

**Storage and handling conditions:** PLASTIC APRON

### SECTION 10 - SPECIAL SHIPPING REQUIREMENTS

**Proper shipping name:** KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. AVOID CONTA

**P.I.N #** CORROSIVE LIQUID FLAMMABLE N.O.S.

**Prepared by:** Mike Wiens

**Preparation date:** 12/21/2009