


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product name	Duramine	Chemical family
Product use	BOILER WATER TREATMENT	
Supplier	 8 Copernicus Blvd. Brantford, ON N3P 1Y4 Tel: 519-758-8111	Emergency Telephone #: 613-996-6666

SECTION 2 - INGREDIENTS

INGREDIENTS	CAS #	%	LC50 ppm (Rat, Inhal)	LD50 ppm (Rat, Oral)
MORPHOLINE	110-91-8	3-7	>12000	1050
CYCLOHEXYLAMINE	108-91-8	10-30	8000	710

SECTION 3 - PHYSICAL DATA

Boiling Point:	< 130 (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 %:	100	Freezing point:	0 Deg C
pH:	10	Auto-ignition temperature:	N/A
Coefficient of water/oil distribution: N/A			
Appearance and odor: CLEAR TO SLIGHT YELLOW LIQUID WITH STRON AMMONIA LIKE ODOUR.			
Odor Threshold:	N/A		

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (method):	68 Deg C	LEL:	N/A	UEL:	N/A
Extinguishing media:	CARBON DIOXIDE				
Special fire fighting instructions.	DRY CHEMICAL; WATER SPRAY				
Unusual fire and explosion hazards:					

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SECTION 5 - REACTIVITY DATA

Stability: Stable

Incompatibility: ACIDS AND OXIDIZING MATERIALS

Hazard decomposition products: WHEN HEATED TO DECOMPOSITION TOXIC FUMES ARE EMITTED.

Polymerisation Will not occur

SECTION 6 - HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE AND ACUTE EFFECTS

Exposure limit: N/A

Inhalation: WILL CAUSE IRRITATION OF RESPIRATORY TRACT AND LUNGS.

Skin: MAY CAUSE SEVERE SKIN IRRITATION.

Eyes: WILL CAUSE SEVERE EYE IRRITATION.

Ingestion: A STRONG IRRITANT TO THE DIGESTIVE SYSTEM.

Chronic effects:

FIRST AID

Inhalation: REMOVE TO FRESH AIR AND OBTAIN MEDICAL ATTENTION.

Skin: FLUSH WITH PLENTY OF WATER AND OBTAIN MEDICAL ATTENTION.

Eye: FLUSH WITH PLENTY OF WATER AND OBTAIN MEDICAL ATTENTION.

Ingestion: DO NOT INDUCE VOMITTING. DRINK PLENTY OF WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill, leak or release: SPILLS SHOULD BE CONTAINED AND COVERED WITH SODIUM BISULFATE. SPRAY WITH WATER AND SCOOP INTO STEEL CONTAINERS FOR PROPER DISPOSAL

Waste disposal:
IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS.

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SECTION 8 - SPECIAL PROTECTION INFORMATION]

Respiratory protection AN APPROVED RESPIRATOR OF ORGANIC MISTS AND VAPOURS.

Ventilation: Local exhaust

Protective Gloves: RUBBER.

Eye protection: CHEMICAL GOGGLES AND/OR FACE SHIELD.

Other protective equipment: CHEMICAL RESISTANT SUIT AND RUBBER BOOTS.

SECTION 9 - SPECIAL PRECAUTIONS

Storage and handling conditions: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.

SECTION 10 - SPECIAL SHIPPING REQUIREMENTS

Proper shipping name: CORROSIVE LIQUID FLAMMABLE N.O.S.

P.I.N # 2920

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