


## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT IDENTIFICATION

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

### SECTION 2 - INGREDIENTS

INGREDIENTS	CAS #	%	LC50 ppm (Rat, Inhal)	LD50 ppm (Rat, Oral)
SODIUM SULFITE	7757-83-7	7-13	N/A	N/A
SODIUM HYDROXIDE	1310-73-2	0.1-1.0	N/A	N/A
SODIUM POLYACRYLATE		0.5-1.5	N/A	N/A
MORPHOLINE	110-91-8	1-5	>12000	1050
SODIUM LIGNOSULFONATE	8061-51-6	0.1-1.0	N/A	N/A

### SECTION 3 - PHYSICAL DATA

<b>Boiling Point:</b>	< 00110 (Deg C)	<b>Specific Gravity:</b>	1.11
<b>Vapor pressure:</b>	N/A	<b>Evaporation rate:</b>	N/A
<b>Vapor density:</b>	N/A	<b>Solubility in water:</b>	VERY SOLUBLE
<b>Volatiles in %:</b>	88	<b>Freezing point:</b>	0.0 Deg C
<b>pH:</b>	9.5	<b>Auto-ignition temperature:</b>	N/A
<b>Coefficient of water/oil distribution:</b>	N/A		
<b>Appearance and odor</b>	LIGHT BROWN CLEAR LIQUID WITH SLIGHT AMINE ODOUR.		
<b>Odor Threshold:</b>	N/A		

### SECTION 4 - FIRE AND EXPLOSION DATA

<b>Flash Point (method):</b>	N/A	<b>LEL:</b>	N/A	<b>UEL:</b>	N/A
<b>Extinguishing media:</b>	NON-COMBUSTIBLE				
<b>Special fire fighting instructions.</b>	NONE				
<b>Unusual fire and explosion hazards:</b>	NONE				

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### SECTION 5 - REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** NONE

**Hazard decomposition products:** NONE

**Polymerisation** Will not occur

### SECTION 6 - HEALTH HAZARD INFORMATION

**ROUTES OF EXPOSURE AND ACUTE EFFECTS**

**Exposure limit:** N/A

**Inhalation:** HARMFUL TO RESPIRATORY TRACT.

**Skin:** MAY CAUSE IRRITATION.

**Eyes:** CAUSES IRRITATION.

**Ingestion:** CAUSES IRRITATION.

**Chronic effects:** NONE DETERMINED.

### FIRST AID

**Inhalation:** REMOVE VICTIM TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF SO REQUIRED.

**Skin:** FLUSH WITH WATER FOR 15 MINUTES AND OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Eye:** FLUSH WITH WATER FOR 30 MINUTES AND GET MEDICAL ATTENTION.

**Ingestion:** DRINK PLENTY OF WATER AND GET MEDICAL AID.

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

**Spill, leak or release:** SOAK UP MATERIAL WITH SAWDUST OR AN ABSORBANT.

**Waste disposal:**  
DISPOSE OF ABSORBANT IN AN APPROVED CHEMICAL LANDFILL SITE.

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### SECTION 8 - SPECIAL PROTECTION INFORMATION]

**Respiratory protection** APPROVED RESPIRATOR FOR ORGANIC MISTS.

**Ventilation:** Local exhaust

**Protective Gloves:** RUBBER GLOVES.

**Eye protection:** CHEMICAL GOGGLES OR FACE SHIELD.

**Other protective equipment:** APRON 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:** FLAMMABLE LIQUID N.O.S.

**P.I.N #** 1993

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