

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product name Duraboost **Chemical family** ALKALI
Product use BASE
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 50% SOLUTION	1310-73-2	100	N/A	N/A

SECTION 3 - PHYSICAL DATA

Boiling Point: 00293 (Deg F) **Specific Gravity:** 1.52
Vapor pressure: <1.6 **Evaporation rate:** n/a
Vapor density: n/a **Solubility in water:** VERY SOLUBLE
Volatiles in %: 050 **Freezing point:** 50. Deg F
pH: 13 **Auto-ignition temperature:** n/a
Coefficient of water/oil distribution: n/a
Appearance and odor COLORLESS TO SLIGHTLY COLORED LIQUID WITH NO 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. IN WATER SOLUTION CAUSTIC CAN REACT WITH AMPHOTERIC METALS SUCH AS ALUMINUM GENERATING HYDROGEN WHICH IS FLAMMABLE.
Unusual fire and explosion hazards: NONE

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SECTION 5 - REACTIVITY DATA

Stability: Stable

Incompatibility: ACIDS; BRONZE; BRASS; TIN; ZINC

Hazard decomposition products: NONE

Polymerisation Will not occur

SECTION 6 - HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE AND ACUTE EFFECTS

Exposure limit: 2 (mg/m³)

Inhalation: DUST OR MISTS MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT.

Skin: SHORT SINGLE EXPOSURE MAY CAUSE SEVERE SKIN BURNS.

Eyes: MAY CAUSE SEVERE IRRITATION WITH CORNEAL INJURY AND RESULT IN PERMANENT IMPAIRMENT OF VISION EVEN BLINDNESS. DUST MAY IRRITATE EYES.

Ingestion: IMMEDIATELY DRINK LARGE QUANTITIES OF WATER AND CONTACT A PHYSICIAN.

Chronic effects: NONE DETERMINED

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Inhalation: REMOVE TO FRESH AIR

Skin: FLUSH WITH WATER FOR A PERIOD OF 30 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

Eye: FLUSH WITH WATER FOR A MINIMUM OF 30 MINUTES AND SEEK MEDICAL ASSISTANCE

Ingestion: DO NOT INDUCE VOMITTING. SEEK MEDICAL ATTENTION.

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill, leak or release: SMALL SPILLS SHOULD BE FLUSHED WITH PLENTY OF WATER. LARGER SPILLS SHOULD BE NEUTRALIZED WITH DILUTE ACID SUCH AS ACETIC.

Waste disposal: DISPOSAL MUST MEET WITH ALL FEDERAL AND LOCAL REGULATIONS.

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SECTION 8 - SPECIAL PROTECTION INFORMATION]

Respiratory protection IN MISTY ATMOSPHERE USE AN APPROVED RESPIRATOR.

Ventilation: General ventilation

Protective Gloves: NEOPRENE OR PVC

Eye protection: CHEMICAL GOGGLES OR FACE SHIELD

Other protective equipment: NEOPRENE COVERALLS AND BOOTS

SECTION 9 - SPECIAL PRECAUTIONS

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

SECTION 10 - SPECIAL SHIPPING REQUIREMENTS

Proper shipping name: SODIUM HYDROXIDE SOLUTION

P.I.N # 1824

Prepared by: Mike Wiens

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