

HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT	Fire	Reactivity Special	
	3		0
	Health		2
	3		0

# MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Date Prepared: 2-17-03

**SECTION 1 - PRODUCT IDENTIFICATION**

Company Name	Morven Industries, Inc.	Emergency Telephone No.	800-424-9300
Address	5700 Lake Worth Rd. Suite 108 Lake Worth, FL 33463	Information Telephone No.	407-649-6555
Product Name / ID#	Breakout II (10431)	Product Type	Chlor Machine Detergent
			Proprietary Product

**SECTION 2 - HAZARDOUS INGREDIENTS**

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Potassium Dichloroisocyanurate	2244-21-5	5%	NA
Sodium Hydroxide	1310-73-2	< 45%F	C2 mg / m3

\* Substances  Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F)	NA	Specific Gravity (H <sub>2</sub> O=1.0)	NA	± 0.005	pH	13.8 ± 0.2	% VOC (ww)	0
Solubility in Water		<input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable or (Dispersible)	<input type="checkbox"/> Slight (or Partial)			
Evaporation Rate (vs H <sub>2</sub> O)	NA	<input type="checkbox"/> Faster	<input type="checkbox"/> Slower	<input type="checkbox"/> About the Same	Vapor Pressure	NE	Vapor Density	NE

Appearance and Odor Off white powder, slight chlorine odor.

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**Flash Point (T.C.C.) NA  None to boiling Flammable Limits Upper NA Lower NA

Extinguishing Media NA

Special Fire Fighting Procedures NA

Unusual Fire Explosion Hazards NA

**SECTION 5 - REACTIVE DATA**

Stability Stable Incompatibility Acids; Aluminum; Tin; Zinc; Nitro Carbons, Halo Carbons

Hazardous Decomposition Products Chlorine containing gases. Oxides of carbon.

**SECTION 6 - HEALTH HAZARDS**

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established	<input type="checkbox"/> Not Applicable	Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Oral	<input checked="" type="checkbox"/> Inhalation
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Signs Symptoms of Over-exposure (Acute) Corrosive to eyes, skin, all human tissue. Can cause burns. Ingestion may cause gastro intestinal irritation or ulceration and severe burns of the mouth and throat. Dust may cause severe irritation to upper respiratory tract.

Signs Symptoms of Over-exposure (Chronic) Unknown

Medical Conditions Aggravated by Over-exposure Unknown

Carcinogen/Suspected Carcinogen-Ingredients:  NTP  IARC  OSHA  None**SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)**

Eyes Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical help.

Skin Remove any contaminated clothing. Wash before reuse. Wash affected area with water for at least 15 minutes.

Ingestion Do not induce vomiting. Give large quantity of water. Seek medical attention immediately.

Inhalation Remove to fresh air. If qualified, give oxygen or artificial respiration as needed.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection An approved organic respirator if dusting is a problem.

Ventilation requirements  Local Exhaust  Mechanical To keep below TLV of listed hazardous ingredients.

Protective Gloves Rubber Eye Protection Safety glasses

Other Protective Clothing Chemical apron and/ or rubber boots appropriate for usage.

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled Shovel or sweep up &amp; put in approved clean, dry container for disposal. Dilute residue with water, neutralize with weak acid, flush with water.

Waste Disposal Methods Approved landfill or other method not adverse to environment. Check all governmental regulations.

**SECTION 10 - STORAGE AND HANDLING INFORMATION**