MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

HPI Processes, Inc.
1030 Revenue Drive
Telford, Pa 18969
Ph: (888) 733-2832
Emergency Phone (800)535-5053
Prepared on 1-4-01 Revised 10-7-03

PRODUCT NAME: POWER BRITE conc
PRODUCT CODE: 11110

NFPA hazard codes:
0 = Least 3 = High
1 = Slight 4 = Extreme
2 = Moderate

NFPA acute hazard rating:
Health: 2
Flammability: 0
Reactivity: 1

SECTION 2 CHEMICAL COMPOSITION

Note: List all CERCLA hazardous substances at 1% or greater and CARCINOGENS at 0.1% or greater.

INGREDIENT (chemical name)	CAS#	% range	TLV / PEL	TWA	STEL / Ceiling Skin
Sodium Hydroxide	1310-73-2	<5	2mg/m^3	N/A	2mg/m^3
Sodium Ethylenediamina Tetraacetate	64-02-8	<5	N/A	N/A	N/A
Sodium Nitrilotriacetate	5064-31-3	<5	N/A	N/A	N/A
Nonylphenol ethoxylate	9016-45-9	<5	N/A	N/A	N/A

Note: Sodium Hydroxide is a SARA TITLE III SECTION 304 materials subject to reporting by user within the manufacturing section.

SECTION 3 EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. SKIN CONTACT: Immediately flush exposed area with water for at least 15 minutes. If irritation occurs, get medical attention. INHALATION: Remove individual to fresh air. If symptoms persist, get immediate medical attention. INGESTION: Do not induce vomiting. Dilute by giving water and fruit juice. Get immediate medical attention.

NOTE TO PHYSICIAN: Contains Sodium Hydroxide.

SECTION 4 PHYSIOLOGICAL EFFECTS

PRIMARY ROUTE(S) OF ENTRY INTO BODY: Skin contact, Ingestion.

ACUTE EFFECTS: Eyes: Redness, watering. Skin: Redness, irritation. Inhalation: Irritation, coughing. Ingestion: Burning sensation, nausea.

CHRONIC EFFECTS: None known.

SECTION 5 OCCUPATION CONTROL PROCEDURES

VENTILATION: Local exhaust.
PERSONAL PROTECTION:
Respirator type: None required if concentration is below TLV/PEL. Otherwise use NIOSH approved CCROV or better respirator.
Gloves: Chemical resistant gloves recommended.
Eye Protection: Chemical splash goggles.

SECTION 6 PHYSICAL DATA

Appearance/odor: Clear dark brown / slight ammonia
Physical state: Liquid
Boiling Point: 212°F
Freeze Point: 30° F
Specific Gravity: 1.09

pH concentrate: 13.2
1% pH dilution: 11.7
Solubility in water: Complete
Vapor pressure: 17 mmHg
Vapor density (air=1): >1
Evaporation rate (water = 1): >1

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SECTION 7 FIRE & EXPLOSION DATA

Flash point: None.
Method: T.C.C.
Flammable (explosive) limits in air: N/A.
Suitable extinguishing media: Water / foam.
Hazardous combustion bi-products: Carbon Monoxide.
Recommended fire fighting procedures: Firefighters should wear waterproof protective clothing.
Unusual fire & explosive hazards: None.

SECTION 8 REACTIVITY DATA

Stability: Stable.
Conditions to avoid: Extreme high heat.
Hazardous decomposition products: None.
Hazardous polymerization: Will not occur.
Incompatibility:s
Material to avoid: Strong acids.
Corrosive action on material: Moderate on soft metals such as aluminum.

SECTION 9 STORAGE & HANDLING PRECAUTIONS

Storage: Store at temperatures below 120° F. Do not allow to freeze.
Handling: Wear proper gloves, boots, eye and face protection when handling.
Precautionary labeling: Corrosive.

SECTION 10 ENVIRONMENTAL INFORMATION

Spill or leak procedures:
Small spill/leak: Neutralize with vinegar or citric acid.
Large spill/leak: Mop up excess. Neutralize with vinegar or citric acid. Collect solution in containers for disposal.
Spill reportable quantity: 20,000 pounds or more.
Waste disposal method: Consign to waste facility approved by federal, state, and local regulations.
RCRA or appropriate waste classification: By characteristic .
Procedures for handling empty containers: Triple rinse.
Environmental toxicity data: Biodegradable.
Other regulatory controls:
Is material classified under the CLEAN WATER ACT (USA) or appropriate water regulations as:
Toxic pollutant? No.
Hazardous substance (SECTION 302)? No.
If yes, reportable quantity (R.Q.). N/A.
Is material classified under the CLEAN AIR ACT (USA) or appropriate CLEAN AIR regulations as:
Hazardous air pollutant (SECTION 12)? No.

SECTION 11 PRODUCT IDENTIFICATION

Indicate country/regulatory agency which specifies requirements: USA-DOT/ IMO
Proper shipping name: COMPOUND, CLEANING, LIQUID (containing Sodium Hydroxide)
Hazard class: 8
Identification number: NA1760
Packing Group: II
Labels required: Product, Corrosive

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PRODUCT CODE: 11110
PREPARED: 10/7/03