

[Back](#)

**MATERIAL SAFETY DATA SHEET**    PDF Version of MSDS  
**Nu-Brite**

**I - PRODUCT IDENTIFICATION**

**Company Name:** Nu-Calgon Wholesaler, Inc.      **Tel No:** (314) 469-7000, (800) 554-5499  
**Address:** 2008 Altom Court, St. Louis, MO 63146-4151      **CHEMTREC:** (800) 424-9300  
**Product Name:** Nu-Brite      **Product Number:** 4291  
**Synonyms:** Alkaline Coil Cleaner

**II - HAZARDOUS INGREDIENTS OF MIXTURES**

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Sodium Hydroxide (Caustic Soda)	1310-73-2	>20	2mg/M3 Ceiling	

All ingredients are TSCA listed.

**III - PHYSICAL DATA**

<b>Vapor Pressure:</b> mm Hg: Not Determined	<b>Vapor Density (Air=1) 60-90°F:</b> Unknown
<b>Evaporation Rate:</b> (ether=1) Same as H <sub>2</sub> O	<b>VOC Content (% by wt.):</b> 0%
<b>Solubility in H<sub>2</sub>O:</b> Complete	<b>pH @ 10% Solution:</b> 13.2
<b>Freezing Point °F:</b> N/A	<b>pH as Distributed:</b> 14.0
<b>Boiling Point °F:</b> 212°F	<b>Appearance:</b> Clear, Colored Liquid
<b>Specific Gravity H<sub>2</sub>O=1 @25°C:</b> 1.252 +/- 0.005	<b>Odor:</b> No Distinct Odor

**IV - FIRE AND EXPLOSION**

**Flash Point F:** None to Boiling      **Flammable Limits:** N/A  
**Extinguishing Media:** Water spray (Fog); Dry chemical; CO<sub>2</sub>; Foam  
**Special Fire Fighting Procedures:** Do not enter confined fire-spaces without protective clothing and self-contained air supply.  
**Unusual Fire and Explosion Hazards:** None.

**V - REACTIVITY DATA**

**Stability - Conditions to avoid:** Stable  
**Incompatibility:** Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach)  
**Hazardous Decomposition Products:** Burning may produce carbon monoxide and/or carbon dioxide.  
**Conditions Contributing to Hazardous Polymerizations:** N/A

**VI - HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),**  
**A. ACUTE (Primary Route of Exposure) EYE, SKIN, ORAL:** Corrosive material. Will cause burns of skin and eyes with prolonged contact. Eye damage likely if contact is prolonged. Generated mists may be seriously irritating and cause damage to respiratory tract if swallowed. Harmful or fatal if swallowed. May cause severe burns of mucous membranes, stomach, nausea, vomiting - possible internal damage.  
**B. SUBCHRONIC, CHRONIC, OTHER:** Chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.  
**C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

**VII - EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

**EYES: &**

**SKIN:** Flush eyes with water for at least 15 minutes and call a physician immediately. Skin: Wash

affected area with large amounts of soap and water. If irritation persists call physician.

**INGESTION:** Do not induce vomiting. Dilute by drinking water. Call a physician immediately.

### VIII - SPILL OR LEAK PROCEDURE

**Spill Management:** Safely stop spill at source. Contain spill by diking with soil or other inert material and CAREFULLY neutralize with dilute acid. Mop, pump or absorb with inert material and reclaim into sound containers for proper disposal.

**Waste Disposal Methods:** Dispose of in an approved waste facility according to Federal, State and local regulations. Keep non-neutralized material out of sewers, storm drains, surface water and soil.

### IX - PROTECTION INFORMATION/CONTROL MEASURES

**Respiratory:** NIOSH approved respirator where mists or sprays may be generated. (Caustic mist cartridge type)

**Eye Protection:** Chemical goggles, face shield **Glove:** Rubber Gloves

**Other Clothing and Equipment:** Protective clothing to minimize contact (boots, apron, faceshield)

**Ventilation:** Product is intended for outdoor use.

### X - SPECIAL PRECAUTIONS

**Precautions to be taken in Handling and Storing:** Corrosive Material - Handle All Containers Carefully. Wash thoroughly after handling. Keep containers closed when not in use. Avoid contact with leather or wool.

**Additional Information:** None

**NFPA HMIS RATING**

Health Hazard.....: 3 Health Hazard.....: 3

Fire Hazard.....: 0 Fire Hazard.....: 0

Reactivity.....: 0 Reactivity.....: 0

Specific Hazard...: Personal Protection...: X (Sec. 9)

**Revision Date: 06/22/2006**

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**Category:** ↵COIL CLEANER

[Back](#)