

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 4/17/2008

Code: 1605

SECTION 1 - PRODUCT IDENTIFICATION

Distributor: Nuance Solutions	Emergency Phone: 800.309.5869
Address: 900 East 103rd Street, Chicago, IL 60628	Prepared By:
Trade Name: SMOKE HOUSE CAUSTIC CLEANER	Product Type: High Alkaline Cleaner Concentrate

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Sodium Hydroxide (Caustic Soda)	1310-73-2	Above 20%	2mg/M3 (TWA/STEL)

SARA HAZARD: TITLE III, SECTION 313: Contains no Section 313 listed substances subject to reporting requirement.

SECTION 3 - PHYSICAL DATA

Boiling point (°F.): 212	Specific Gravity (H ₂ O=1.0): 1.2 ± 0.005	pH: 10% pH = 13.3 ± 0.5
Vapor Pressure (mm Hg): Not Determined	Vapor Density (Air=1): Not Determined	
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 ₂ O): <input type="checkbox"/> <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor: Yellow colored liquid with no distinct odor.	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.): °F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits: N/A Upper Lower
Extinguishing Media: This product is not combustible. Water spray, foam, CO ₂ or dry chemicals may be used in areas where this product is stored.	
Special Firefighting Procedures: Do not enter confined fire-spaces without protective clothing and self-contained air supply.	
Unusual Fire and Explosion Hazards: None	

SECTION 5 - REACTIVITY DATA

Stability: Stable	Incompatibility: Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).
Hazardous Decomposition Products: Burning may produce oxides of carbon and other substances.	

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure: <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute): Corrosive to all body tissues by all routes of exposure. Contact with skin can produce severe burns & destroy tissues; irritation may be delayed. Contact with eyes may cause severe burns, permanent damage & possibly blindness. Harmful or fatal if swallowed - causes severe burns of the mouth, throat & stomach. Inhalation of generated mists or spray may cause respiratory irritation or damage.
Signs and Symptoms of Overexposure (Chronic): Chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.
Medical Conditions Aggravated by Overexposure: An existing dermatitis.
Carcinogen or Suspect Carcinogen Ingredients: <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes with water for at least 15 minutes and call a physician immediately. Speed of action essential.
Skin: Wash with large amounts of soap and water. If irritation persists, consult a physician.
Ingestion: Do not induce vomiting. Dilute by drinking plenty of water. Get immediate medical attention.
Inhalation: Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Specific use conditions (spraying/confined spaces) where regulatory limits are exceeded may require local exhaust ventilation to prevent release of mist &/or vapors into work environment. If ventilation is not adequate, use NIOSH/MSHA approved respirator with alkaline mist/gas cartridge & full face piece.
Ventilation Requirements: Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/> Eye Protection: Safety Glasses/Goggles
Protective Gloves: Rubber Other Protective Clothing: Impervious protective clothing appropriate to minimize contact (ie: boots, apron, faceshield) especially where sprayback /misting conditions exist.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle or proper disposal.
Waste Disposal Methods: Dispose of in an approved waste facility according to Federal, State and local regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage: CORROSIVE MATERIAL -- HANDLE ALL CONTAINERS CAREFULLY. Wash thoroughly after handling. Keep container closed when not in use. Avoid contact with leather and wood. Do not get in eyes, on skin or clothing. Avoid breathing of dust, spray or mist.
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The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS
HAZARD
RATING

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME