

**Material Safety Data Sheet
(ALKALINE CONCRETE CLEANER)**

JMN Specialties, Inc. 1100 Victory Drive Westwego, LA 70094 (504) 341-3749 ISO 9001 Registered	HMIS HEALTH:3 HMIS FLAMMABILITY:0 HMIS REACTIVITY:0 PERSONAL PROTECTION:H EMERGENCY NUMBER:800-255-3924
---	--

SECTION 1 – IDENTIFICATION OF CHEMICAL PRODUCT

PRODUCT NAME:..... ALKALINE CONCRETE CLEANER
EFFECTIVE DATE:..... August 6, 2007
CHEMICAL FAMILY:..... Compound Cleaning Liquid
FORMULA:..... Proprietary
CAS NUMBER:..... Blend

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
Ethylene Glycol Monobutyl Ether	< 5	111-76-2	OSHA TWA (Skin) 50 ppm ACGIH TWA (Skin) 50 ppm ACGIH STEL 50 ppm
Sodium Hydroxide	< 15	1310-73-2	OSHA 2 mg/m ³ ACGIH Ceiling 2 mg/m ³

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states right to know and other regulatory information.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE / ODOR:..... Purple Liquid / Mild Odor

SHORT TERM EXPOSURE: **GENERAL:** This product contains highly alkaline ingredients.
INHALATION: Exposure to vapor, mist or liquid can cause mild to severe irritation to the respiratory tract, including chemical burns. Severe exposures could result in chemical pneumonia. **EYES:** Contact can cause severe damage including burns and blindness. The severity of the effects depend on concentration and how soon after exposure the eyes are washed. **SKIN:** Brief contact may cause slight to mild irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain, local redness and swelling and possible tissue damage. **INGESTION:** Severe irritant. May cause severe burns of the mucous membranes of the mouth, esophagus, and stomach.

OSHA REGULATED:..... No

LISTED CARCINOGEN:..... **NTP:** No **IARC MONOGRAPHS:** No

Material Safety Data Sheet (ALKALINE CONCRETE CLEANER)

POTENTIAL HEALTH EFFECTS

INHALATION: Severe Irritant, Corrosive

INGESTION: Corrosive

SKIN (DERMAL): Corrosive

OVER EXPOSURE EFFECTS: . Skin irritation develops slowly after contact. Eye irritation develops immediately upon contact.

SECTION 4 – FIRST AID MEASURES

FIRST AID:

SKIN CONTACT: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **EYE CONTACT:** Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **INGESTION:** Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately. **INHALATION:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT:..... Non-flammable liquid

EXTINGUISHING MEDIA: Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO₂).

DECOMPOSITION

PRODUCTS:..... From fire; Smoke, Carbon dioxide, & Carbon Monoxide

LOWER FLAME LIMIT:..... NA

HIGHER FLAME LIMIT:..... NA

UNUSUAL FIRE AND

EXPLOSION HAZARDS:..... Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.

FIRE FIGHTING

EQUIPMENT:..... Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CHEMTEL EMERGENCY

NUMBER (24 Hour): 1-800-255-3924

SPILL:..... In case of spillage, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.

Material Safety Data Sheet (ALKALINE CONCRETE CLEANER)

RCRA STATUS: 10,190 lbs. based on Caustic Soda in blend

SECTION 7 – HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND PROMPT REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

HANDLING AND STORAGE: .. Store away from acids. Store away from oxidizers or materials bearing a yellow "DOT" label.

PRECAUTIONARY

MEASURES: Do not get in eyes, on skin, or on clothing. Do not breathe dust or vapors. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take firstaid action shown in Section 4. Use a vapor / particulate respirator that respirator supplier recommends as effective for this product. Carefully follow directions for respirator use.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment.

EYE PROTECTION:..... Chemical safety goggles meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes. Wear safety glasses meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 where no contact with the eye is anticipated.

RESPIRATORY

PROTECTION:..... Use NIOSH approved vapor respirator if exposure is unknown or exceeds permissible limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Use NIOSH / MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

PROTECTIVE GLOVES:..... Wear impervious gloves

VENTILATION:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

MECHANICAL EXHAUST: Desired in closed places

Material Safety Data Sheet (ALKALINE CONCRETE CLEANER)

LOCAL EXHAUST: Recommended

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below Airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

THRESHOLD LIMIT VALUE: Based on components present - 2 mg/m³

PROTECTIVE EQUIPMENT:... HMIS PERSONAL PROTECTION: H: Splash Goggles, Gloves, Apron, Vapor Respirator

The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / ODOR: Purple Liquid / Mild Odor

BOILING POINT: 212°F

FREEZING POINT: ~ 45° F

VAPOR PRESSURE:..... ND

VAPOR DENSITY (AIR=1): > 1

SPECIFIC GRAVITY: 1.05 - 1.10

pH: 13.0 - 13.8

SOLUBILITY IN WATER: Complete

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:..... Stable

HAZARDOUS

POLYMERIZATION:..... Will not occur.

POLYMERIZATION AVOID:... None

INCOMPATIBILITY:..... Strong Acids. Oxidizers or Oxidizing Materials.

CONDITIONS TO AVOID:..... Excessive Temperatures

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on data from information supplied by raw material(s) supplier(s).

SKIN EFFECTS:

The skin irritation hazard is based on data from information supplied by raw material(s) supplier(s).

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data from information supplied by raw material(s) supplier(s).

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data from information supplied by raw material(s) supplier(s).

SECTION 12 – ECOLOGICAL INFORMATION

Data from laboratory studies and from scientific literature is noted below if available.

Material Safety Data Sheet (ALKALINE CONCRETE CLEANER)

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14- TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate regulations to properly classify your shipment for transportation.

PROPER SHIPPING NAME:..... Corrosive Liquid, N.O.S. Contains (Sodium Hydroxide), 8, UN1760, PG II. Guide #154.

REPORTABLE QUANTITY:..... 10,190 lbs. based on Caustic Soda in blend

HAZARD CLASS AND LABEL: 8, Corrosive Liquid

UN NUMBER: 1760

NA NUMBER: None

PACKAGING SIZE:..... 55 gal. drum or bulk

SECTION 15 - REGULATORY INFORMATION

SARA 311 CATEGORIES:

EPA ACUTE:..... Yes

EPA CHRONIC: Yes

EPA IGNITABILITY: No

EPA REACTIVITY: No

EPA SUDDEN RELEASE

OF PRESSURE: No

CERCLA RQ VALUE:..... 10,190 lbs. based on Caustic Soda in blend

SARA TPQ: None

SARA RQ:..... 10,190 lbs. based on Caustic Soda in blend

EPA HAZARD WASTE #: D002 - Characteristics of Corrosivity

CLEAN AIR: CAA Section 111

CLEAN WATER:..... CWA Sections 304, 307, 311

SARA SECTION 313:..... None

NFPA HEALTH: 3

NFPA FLAMMABILITY:..... 0

NFPA REACTIVITY: 0

DEA Chemical Trafficking Act:.. No

TSCA STATUS: All ingredients in this product are on the TSCA Inventory List.

Material Safety Data Sheet (ALKALINE CONCRETE CLEANER)

SECTION 16 - ADDITIONAL INFORMATION

FOOT NOTES: ND - No Data Available NA - Not Applicable < = Less Than > = Greater Than

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Company Health and Risk Assessment Unit, PO Box 1519, Gretna, LA 70054-1519.

REVISION STATEMENT: Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this MSDS will make their own determination as to its suitability for their intended purposes prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product. It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. **NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.**

THIS IS THE LAST PAGE OF THIS MSDS
