

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AlumaCoilKlean Product Number: MCS103B CAS Number: Blend
NuGeneration Technologies, LLC www.nugentec.com
100 Professional Center Drive Ste 101, Rohnert Park, CA 94928 USA
(707) 820-4080 (product info)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% AlumaCoilKlean CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Table with 3 columns: Chemical Name, Amount, CAS Number. Row 1: DPM, < 10.0 %, 34590-94-8

NON-HAZARDOUS COMPONENTS

Table with 3 columns: Chemical Name, Amount, CAS Number. Row 1: BALANCE NON-HAZARDOUS INGREDIENTS, > 90.0 %, N/A

HAZARDS DISCLOSURE: This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials.

MISCELLANEOUS: Contains Dipropylene glycol methyl ether.

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****
* CAUTION *
* Alkaline Cleaning compound. May cause skin or eye *
* irritation after repeated or prolonged contact. *
* Avoid inhalation. *

HMIS Rating - Health: 2
Flammability: 0
Reactivity: 0
Personal Protection Index: C

NFPA Rating - Health: 2
Flammability: 0
Reactivity: 0
Special Hazard: N/A

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE: Contact causes severe eye irritation and or burns.
SKIN: Prolonged or repeated contact may cause skin irritation.
INHALATION: Avoid breathing vapors or mists. May cause irritation of the upper respiratory passages.
INGESTION: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE:

If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. Long-term exposure may lead to rash or burn.

CHRONIC EFFECTS:

Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation and in some cases rashes or burns.

CARCINOGENICITY INFORMATION: No known cancer hazards.

MISCELLANEOUS: Solutions extremely slippery when spilled.

4. FIRST AID MEASURES**EYE CONTACT FIRST AID:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID: Not an expected route of exposure. Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

INGESTION FIRST AID: Get medical attention immediately. Do not induce vomiting.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid.

NOTES TO PHYSICIAN: Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Auto-ignition Temperature: None

COC Flash Point: None **TCC Flash Point:** None

FLAMMABLE LIMITS IN AIR **LEL:** None **UEL:** None

EXTINGUISHING MEDIA: Will not burn.

FIRE & EXPLOSION HAZARDS: Heating above 200°C or in fire conditions toxic decomposition products may be formed.

FIRE FIGHTING INSTRUCTIONS: Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL): Protect skin and eyes from exposure.

LARGE SPILLS PROCEDURE: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up spills immediately, observing precautions in Protective Equipment section. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE: Absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE Minimum: 4.4C(40F) Maximum: 48.9C(120F)

SHELF LIFE: (in original, sealed containers)

5 years @ 4.4 C

3 years @ 48.9 C

HANDLING (PERSONNEL): Avoid contact with eyes, skin, and clothing.

HANDLING (PHYSICAL ASPECTS): Keep container closed to avoid contamination.

MISCELLANEOUS: Do not stack over three pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation requirements.

EYE / FACE PROTECTION REQUIREMENTS: When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contact.
RESPIRATORY PROTECTION REQUIREMENTS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.
EXPOSURE GUIDELINES: DPM
OSHA PEL: 100 ppm, 600 mg/m³ OSHA TWA: 100 ppm, 600 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear
ODOR: Mild
BOILING POINT: >212 F
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.115 (Water = 1)
BULK DENSITY: 9.3
MELTING/FREEZING POINT: <35 F
PH: 12
% VOLATILES: 7.5 %
VOLATILE ORGANIC COMPOUNDS (VOC) ...: 75 g/L
PH @ 5%: 11

10. STABILITY AND REACTIVITY

STABILITY: Stable.
POLYMERIZATION: Hazardous polymerization will not occur.
INCOMPATIBILITY WITH OTHER MATERIALS: May react with highly acidic materials.
DECOMPOSITION: Decomposition will not occur if handled and stored properly.
CONDITIONS TO AVOID:
This material is safe under normal storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Contact may cause eye irritation.
SKIN EFFECTS: Contact may cause skin irritation.
ACUTE ORAL EFFECTS: May cause diarrhea or vomiting along with tissue burns.
ACUTE INHALATION EFFECTS: No known hazards in normal industrial use.

12. ECOLOGICAL INFORMATION - No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.
CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.
CONTAINER DISPOSAL: Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: AlumaCoilKlean
D.O.T. SHIPPING NAME: Cleaning Compound
TECHNICAL SHIPPING NAME ...: Class 55
D.O.T. HAZARD CLASS: Non-Hazardous
UN NUMBER: N/A
PRODUCT RQ (LBS): NA
D.O.T. LABEL: NOBIN Non-Hazardous
D.O.T. PLACARD: N/A
BULK CLASS: N/A
PACKAGE CLASS: 55

MISCELLANEOUS:

Export Classification, organic surface-active agents (other than soap),
washing preparations and cleaning preparations, schedule B # 3402.90.5030.

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger: None
R-Phrases: R36/38 - Irritating to eyes and skin.
S-Phrases: S24/25 - Avoid contact with skin and eyes.
WHMIS Hazard Symbols: None

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of
Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

PREPARED BY: Donato Polignone
APPROVAL DATE: July 24, 2005
SUPERCEDES DATE ...: September 2, 2004
PRD NUMBER: MCS103B (Official Copy)

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END OF MSDS
