

MATERIAL SAFETY DATA SHEET: CERTI-MAGIC

Section I - General Information

(000000-000000- - 4005)

Date of Issue: 9/8/1989 12:00:00 AM
Chemical Name & Synonyms: N/A
Chemical Family: AMMONIATED DETERGENT
Manufacturer Name: CERTIFIED LABS, DIV. OF NCH CORP.
Manufacturer Address: BOX 152170 IRVING, TEXAS 75015
Prepared By: KEVIN UHL/T.S. CHEMIST

Supercedes: 9/1/1989 12:00:00 AM
Trade Name & Synonyms: CERTI-MAGIC
Formula is a mixture: [v]

Product Code Number: 4005
Emergency Phone Number: 800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Table with 6 columns: Chemical Name (Ingredients), Hazard, TLV, PEL, STEL, CAS #. Rows include AMMONIUM HYDROXIDE, OXALIC ACID, and SILICON DIOXIDE.

Section III - Physical Data

Boiling Point (?F):215
Vapor Pressure (mm Hg):17
Vapor Density (Air=1):0.6
pH @ 100% :9.0-10.0
% Volatile by Volume:70
H2O Solubility:COMPLETE
Specific Gravity (H2O=1):1.070
Color:LIGHT TAN
Odor:MINT
Clarity:OPAQUE
Evaporation Rate (BuAc=1):0.10
Viscosity:VISCIOUS

Section IV - Fire and Explosion Hazard

Flash Point: NON-FLAM
Flammable Limits: LEL: N/A
Method Used: TCC
UEL: N/A
Aerosol Level (NFPA 30B): N/A

Extinguishing Media: [v] Foam, [v] Alcohol Foam, [v] CO2, [v] Dry Chemical, [v] Water Spray, [v] Other

NFPA 704 Hazard Rating: 4-Extreme Health: 2, 3-High Flammability: 0, 2-Moderate Instability: 0, 1-Slight Special: 0-Insignificant

Special Fire Fighting Procedures: PRODUCT IS NON-FLAMMABLE. CHOICE OF EXTINGUISHING MEDIA DEPENDS UPON THE ACTUAL NATURE OF THE FIRE.

Unusual Fire and Explosion Hazards: N/A

Section V - Health and Hazard Data

Threshold Limit Value: NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

Acute: (Short Term Exposure)

CONTACT TO THIS ALKALINE MIXTURE MAY RESULT IN IRRITATION TO MUCOUS MEMBRANES, EYES, AND SKIN. EYE SYMPTOMS RANGE FROM LACRIMATION TO CORNEAL ULCERATION AND POSSIBLE BLINDNESS. IRRITATING BY INHALATION AND BY MIST TO UPPER RESPIRATORY TRACT. ACCIDENTAL INGESTION MAY CAUSE NAUSEA, DIARRHEA AND POSSIBLE PERFORATION OF INTESTINAL LINING.

Chronic: (Long Term Exposure)

PROLONGED CONTACT MAY RESULT IN CORROSIVE BURNS OR BLISTER FORMATION TO LOCALIZED VASCULAR DAMAGE SKIN OR MUCOUS MEMBRANES. EXPOSURE TO MIST OR DUST MAY RESULT IN CHRONIC INFLAMMATION OF UPPER RESPIRATORY TRACT. INGESTION CAN CAUSE NAUSEA, AND POSSIBLE PERFORATION OF INTESTINAL LINING. PROLONGED EYE CONTACT CAN LEAD TO ULCERATION AND POSSIBLE BLINDNESS.

Primary Routes of Entry: [] Inhalation, [] Ingestion, [] Absorption

Emergency First Aid Procedures:

Inhalation: REMOVE PERSON FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF ANY IRRITATION PERSISTS.

Eye Contact: OBJECT IS TO SEEK MEDICAL ATTENTION. IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE SURFACE. SEEK MEDICAL ATTENTION IMMEDIATELY.

Skin Contact: WASH WITH PLENTY OF SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

Ingestion: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION IMMEDIATELY.

Notes to Physician: N/A

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By: _____
 IARC NTP OSHA ACGIH Other

OXALIC ACID
 ORL-HMN LDLO = 71MG/KG 2.
 SKN-RBT 500 MG/24 H MOD. 2.
 EYE-RBT 250 MG/24 H SEV= 0.2 MG/24H SEV. 2.
 AMMONIUM HYDROXIDE
 IHL-HMN LCLO = 30,000 PPM/5M 3.
 IHL-HMN TCLO = 20 PPM 3.
 UNK-MAN LDLO = 132 MG/KG 3.
 ORAL-RAT LD50 = 350 MG/KG 3.

Section VII - Reactivity Data

Stability <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable Conditions to Avoid: ALKALI METALS AND (DECORATIVE COPPER)	Hazardous Polymerization <input checked="" type="checkbox"/> Will not occur <input type="checkbox"/> May occur Conditions to Avoid: N/A
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Incompatibility (Materials to Avoid):
 STRONG OXIDIZERS, HYPOCHLORITE BLEACHES

Hazardous Decomposition Products:
 SALTS OF OXALIC ACID

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:
 SMALL SPILL: FLUSH DOWN DRAIN IN ACCORDANCE WITH APPLICABLE REGULATIONS. LARGE SPILL: POUR INTO LARGE TANK OF WATER AND NEUTRALIZE. FLUSH TO DRAIN WITH LARGE VOLUMES OF WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS.

Waste Disposal Method(s):
 DISPOSE OF IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL REGULATIONS CONCERNING HEALTH POLLUTION.

Neutralizing Agent:
 LARGE AMOUNTS OF WATER WILL NEUTRALIZE.

Section IX - Special Protection Information

Required Ventilation:
 GENERAL EXHAUST VENTILATION SUFFICIENT TO MAINTAIN WORKPLACE CONCENTRATIONS BELOW PERMISSIBLE EXPOSURE LIMITS.

Respiratory Protection:
 TYPICAL USE DOES NOT REQUIRE RESPIRATORY PROTECTION. IN AN EMERGENCY SITUATION, THE FOLLOWING RESPIRATORS ARE RECOMMENDED: IDLH = 500 PPM GMS/SAF/SCBAF
 IDLH = 500 MG/M3 SAF/PD,PP,CF

Glove Protection:
 WEAR IMPERVIOUS GLOVES (SYNTHETIC, ELASTOMERS OR PVC).

Eye Protection:
 TYPICAL USE OF THIS PRODUCT DOES NOT REQUIRE EYE PROTECTION.

Other Protection:
 N/A

Section X - Storage and Handling Information

Storage Temperature Max: 120 F. Min: 32 F	Storage Conditions <input checked="" type="checkbox"/> Indoors <input checked="" type="checkbox"/> Outdoors <input type="checkbox"/> Heated <input type="checkbox"/> Refrigerated
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Precautions to be Taken in Handling and Storing:
 STORE AT MODERATE TEMPERATURES.

Other Precautions:
 KEEP AWAY FROM CHILDREN. READ ENTIRE LABEL BEFORE USING.

Section XI - Regulatory Information

Chemical Name	CAS Number	Upper % Limit
AMMONIUM HYDROXIDE	7664-41-7	UE

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. THRESHOLD LIMIT VALUE FOR CHEMICAL SUBSTANCES IN THE WORK ENVIRONMENT, 2ND EDITION, ACGIH, 1985.
2. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, 1982.
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION, N. IRVING SAX.

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