

MATERIAL SAFETY DATA SHEET: WATERMATIC

Section I - General Information

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Date of Issue:

12/4/2007 12:00:00 AM

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Chemical Name & Synonyms:

N/A

Trade Name & Synonyms:

WATERMATIC

Chemical Family:

Aqueous sulfonate mixture

Formula is a mixture: [√]

Manufacturer Name:

CERTIFIED LABS, DIV. OF NCH CORP.

Manufacturer Address:BOX 152170
IRVING, TEXAS 75015**Prepared By:**

M MCDOWELL/CHEMIST

Product Code Number:

0100

Emergency Phone Number:

800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)

C10-C16 ALKYL BENZENE SULFONIC ACID POTASSIUM SALT

C10-C16 ALKYL BENZENE SULFONIC ACID TRIETHANOLAMINE SALT

C10-C16 ALKYL BENZENE SULFONIC ACID DIETHANOLAMINE SALT

TRIETHANOLAMINE

Hazard**TLV****PEL****STEL****CAS #**

IRRITANT

N/E 1

N/E 2

N/E

27177-77-1

IRRITANT

N/E 1

N/E 2

N/E

27323-41-7

IRRITANT

N/E 1

N/E 2

N/E

67815-95-6

IRRITANT

5 mg/m3 \$1

N/E 2

N/E

102-71-6

Section III - Physical Data

Boiling Point (°F): 210**Specific Gravity (H₂O=1):** 1.05**Vapor Pressure (mm Hg):** 16.2**Color:** Light amber**Vapor Density (Air=1):** 0.6**Odor:** Odorless**pH @ 100% :** 7.8**Clarity:** Transparent**% Volatile by Volume:** 64**Evaporation Rate (BuAc=1):** 0.38**H₂O Solubility:** Complete**Viscosity:** Viscous

Section IV - Fire and Explosion Hazard

Flash Point: >200°F**Method Used:** Seta-flash**Flammable Limits:** N/A**UEL:** N/A**LEL:** N/A**Aerosol Level (NFPA 30B):** N/A**Extinguishing Media:**

<input checked="" type="checkbox"/> Foam	<input checked="" type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO ₂
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 2
3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

Firefighters should wear a self-contained breathing apparatus and full protective gear. Extinguishing media should be chosen based on the nature of the surrounding fire. Cool fire-exposed containers with water spray to prevent bursting.

Unusual Fire and Explosion Hazards:

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Use care as spills may be slippery. The use of water spray (fog), while effective, may cause frothing and foaming. Never use a water jet as this will just spread the fire.

Section V - Health and Hazard Data

Threshold Limit Value:

5 mg/m³ as Triethanolamine 1.

Effects of Overexposure:

Acute: (Short Term Exposure)

EYE CONTACT: Causes irritation seen as stinging, tearing, and redness.

SKIN CONTACT: May cause irritation seen as itching and redness. Product may be absorbed through the skin in harmful amounts. May cause allergic skin reaction seen as delayed skin rash which may be followed by blistering, scaling, and other skin effects.

INHALATION: May cause respiratory irritation seen as coughing and sneezing. At low vapor concentrations, no harmful effects are expected. At high vapor concentrations, inhalation may cause central nervous system effects such as headache, dizziness, drowsiness, weakness, unconsciousness, possible anesthetic effects from central nervous system depression, and may be fatal.

INGESTION: May cause irritation with possible nausea, vomiting, and diarrhea. May cause central nervous system effects similar to inhalation.

Chronic: (Long Term Exposure)

May cause skin sensitization in some individuals. Chronic exposure may cause liver and kidney damage.

Medical conditions aggravated by exposure are pre-existing blood, liver, and kidney diseases; pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.

Target organs: Blood-forming organs, central nervous system, heart, kidneys, liver, and testes. The primary routes of exposure are skin and eye contact.

Primary Routes of Entry

☒ Inhalation ☐ Ingestion ☐ Absorption

Emergency First Aid Procedures:

Inhalation:

Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Eye Contact:

Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

Skin Contact:

Wash affected areas with large amounts of soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing and clean shoes before re-use.

Ingestion:

Give 3 to 4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.

Notes to Physician:

There is no specific antidote. Treat the patient symptomatically.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

☐ IARC ☐ NTP ☐ OSHA ☐ ACGIH ☐ Other

VOC content: 0.6 % by weight; 0.6% by volume; 6 g/L

C10-C16 ALKYL BENZENE SULFONIC ACID POTASSIUM SALT

No toxicity data available

C10-C16 ALKYL BENZENE SULFONIC ACID TRIETHANOLAMINE SALT

No toxicity data available

C10-C16 ALKYL BENZENE SULFONIC ACID DIETHANOLAMINE SALT

No toxicity data available

TRIETHANOLAMINE

ORL-RAT LD₅₀: 4920 uL/kg 3.

IHL-RAT TC_{Lo}: 2 g/m³/6H/3W-I, changes in bladder, liver, thymus weight 3.

SKN-RBT LD₅₀: >20 mL/kg 3.

SKN-HMN SDT: 15 mg/3D (intermittent) mild 3.

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EYE-RBT SDT: 10 mg mild 3.

This product has been shown to cause harm to the fetus in laboratory animal studies. 4.

Section VII - Reactivity Data

Stability

☒ Stable ☐ Unstable

Conditions to Avoid:

None known.

Hazardous Polymerization

☒ Will not occur ☐ May occur

Conditions to Avoid:

N/A

Incompatibility (Materials to Avoid):

Strong oxidizing agents such as Chlorine bleach and concentrated Hydrogen Peroxide; Acetone, acids, aldehydes, alkalis, halogenated hydrocarbons, ketones, and organic halides. Prolonged contact with reactive metals, such as aluminum, Copper, brass, bronze, Chromium, Magnesium, Tin, Zinc, and alloys, can cause the formation of flammable Hydrogen gas which can form an explosive mixture with air. Under certain conditions, nitrites may react with secondary amines to form carcinogenic nitrosamines.

Hazardous Decomposition Products:

Oxides of Carbon, Nitrogen, and Sulfur; Ammonia, aldehydes, and ketones.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

Wear appropriate protective clothing. Use care as spills may be slippery. Shut off source of leak. Dike and contain spill. Absorb with an inert material and transfer all material into a properly labeled container for disposal. Prevent product from contaminating soil or from entering sewage and drainage systems and bodies of water. Flush area with water.

Waste Disposal Method(s):

Dispose of in accordance with all Federal, state, and local regulations.

Neutralizing Agent:

N/A

Section IX - Special Protection Information

Required Ventilation:

Local ventilation is recommended to control exposure from operations that can generate excessive levels of mists. Local ventilation is preferred, because it prevents dispersion into work areas by controlling it at its source.

Respiratory Protection:

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). For concentrations above the TLV and/or PEL but less than 10 times these limits, a NIOSH approved half-facepiece respirator equipped with appropriate chemical cartridges may be used. For concentrations greater than 10 times the TLV and/or PEL, consult the NIOSH respirator decision logic found in publication No. 87-116 or ANSI Z88.2-1992.

Glove Protection:

Neoprene or nitrile rubber gloves should be worn. Ensure compliance with OSHA's personal protective equipment (PPE) standard for hand protection, 29 CFR 1910.138.

Eye Protection:

Safety glasses with side shields if the method of application presents the likelihood of eye contact. Ensure compliance with OSHA's Personal Protective Equipment (PPE) standard for eye and face protection, 29 CFR 1910.133.

Other Protection:

Wear protective clothing when handling. A safety shower and an eyewash station should be available.

Section X - Storage and Handling Information

Storage Temperature

Max: 120°F Min: 35°F

Storage Conditions

☒ Indoors ☐ Outdoors ☐ Heated ☐ Refrigerated

Precautions to be Taken in Handling and Storing:

Always store material in its original container. Keep container tightly closed when not in use. Keep from freezing. If product freezes, allow it to slowly warm to room temperature and stir thoroughly before using.

Other Precautions:

Keep out of reach of children. Read the entire label before using the product. Follow the label directions.

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Section XI - Regulatory Information

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
None.		

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.

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemical(s) known to the State of California to cause (1)Cancer or (2)Birth Defects or other reproductive harm. This product contains:

Formaldehyde(1), Arsenic(1&2), Cadmium(1&2), Lead(1&2), Mercury(2), Nickel(1), and Strong inorganic acid mists containing Sulfuric Acid(1) as trace contaminants.

Section XII - References

1. Threshold Limit Values for chemical substances and physical agents and biological exposure indices, ACGIH, 2007.
2. OSHA PEL.
3. Vendor's MSDS.
4. Registry of toxic effects of chemical substances, CCINFOWeb, 2007.
5. European Chemical Substances Information System (ESIS), International Uniform Chemical Information Database (IUCLID) Chemical Data Sheets.
6. ChemADVISOR, Inc. Database Release: 2007-4.

All the components of this product are in compliance with the Toxic Substances Control Act (TSCA) and are either listed on the TSCA inventory or otherwise exempted from listing.

IRR: Irritant, OSHA: Occupational Safety & Health Administration, IARC: International Agency for the Research on Cancer, TOX: Toxic, NFPA: National Fire Protection Association, ppm: Parts Per Million, UEL: Upper Explosion Limit, STEL: Short-term Exposure Limit, HMN: Human, mg/m3, IHL: Inhalation, COMB: Combustible, CORR: Corrosive, MUT: Mutagenic, CARC: Carcinogenic, N/A: Not Applicable, TLV: Threshold Limit Value, N/E: Not Established, ORL: Oral, FLAM: Flammable, ASPHYX: Asphyxiant, C.O.C.: Cleveland Open Cup, PNOR: Particles Not Otherwise Regulated, LEL: Lower Explosion Limit, mg/L: Milligrams per Liter, PNOS: Particles Not Otherwise Specified, g/L: Grams per Liter, PMCC: Pensky-Martin Closed Cup, NTP: National Toxicology Program, µg/L: Micrograms per Liter, TCC: Tagliabue Closed Cup, SEV: Severe, RBT: Rabbit, INV: Intravenous, ACGIH: American Conference of Governmental Industrial Hygienists, PEL: Permissible Exposure Limit, MOD: Moderate, IPT: Intraperitoneal, gm/kg: Grams per Kilogram, C.C.C.: Cleveland Closed Cup, SKN: Skin, Milligrams per Cubic Meter, mg/kg: Milligrams per Kilogram, VOC: Volatile Organic Compound, SDT: Standard Draize Test, MSE: Mouse, GPG: Guinea Pig.

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