



FreshAWL, LLC  
1950 Olivera Rd., Suite D  
Concord, CA 94520  
EMERGENCY TELEPHONE: (800) 424-9300

REVISED DATE: 11/19/2012

H M I S  
HEALTH: 2  
FLAMMABILITY: 1  
REACTIVITY: 0  
PERSONAL PROTECTION: C

## II. PRODUCT IDENTIFICATION

Product Name: FreshAWL® TKO™  
Synonyms: NONE  
Chemical Family: ACID CAS NO: None

## III. HAZARDOUS IDENTIFICATION

OSHA CAS ACGIH  
COMPONENT: HYDROCHLORIC ACID PEL # TLV

## IV. PHYSICAL PROPERTIES

MELTING POINT: UNKNOWN SPECIFIC GRAVITY: 1.2-1.4  
BOILING POINT (°F): 220°F PERCENT VOLATILE (BY WEIGHT): 347G/L  
VAPOR PRESSURE (mm Hg): UNKNOWN EVAPORATION RATE: SLOW  
VAPOR DENSITY (AIR=1): >1 pH: 2.0-3.0  
SOLUBILITY IN WATER: SOLUBLE  
APPEARANCE AND ODOR: CLEAR, FOAMY SOLUTION

## V. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): UNKNOWN FLAMMABLE LIMITS: LEL NONE  
UEL NONE

EXTINGUISHING MEDIA: WATER X ALCOHOL FOAM X CO2 X DRY CHEMICAL X

SPECIAL FIREFIGHTING PROCEDURES: Use standard firefighting techniques to fight fires.

Involving this material produces corrosive fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

## VI. REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID: EXTREME HEAT

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: HIGH TEMPS

INCOMPATIBILITY: BASES

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE

## VII. PERSONAL PROTECTIVE EQUIPMENT INFORMATION

RESPIRATORY PROTECTION: USE RESPIRATOR IF SPRAYING CONCENTRATES

PROTECTIVE GLOVES: NEOPRENE, LATEX OR RUBBER

EYE PROTECTION: When using this product for cleaning, safety eyewear is recommended. When transferring this product from container to container wearing goggles or face shield is recommended to avoid possible splash. When using this product a charged hose or eye wash station at hand is recommended.

VENTILATION: LOCAL OR MECHANICAL RECOMMENDED

OTHER PROTECTIVE EQUIPMENT: CHEMICAL APRON

## VIII. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: UNKNOWN

TOXICITY = RAT oral LD-50 > 3,000 mg/kg.

DERMAL IRRITATION-RABBIT: SEVERE IRRITATION DEPENDING ON CONCENTRATION EFFECTS OF OVEREXPOSURE.

INHALATION: INHALATION MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT.

DERMAL: LIQUID CONTACT CAN CAUSE CHEMICAL BURNS.



EYE CONTACT: CAUSES SEVERE DAMAGE.  
ORAL: MAY CAUSE STOMACH ACHE, IRRITATION AND EROSION OF ESOPHAGUS.  
KNOWN EFFECTS ON OTHER ILLNESSES: NONE KNOWN  
LISTED CARCINOGEN: NONE: X    OSHA:    NTP:    1ARC:    OTHER:

**IX. EMERGENCY AND FIRST AID PROCEDURES**

SKIN: Flush with water-prolonged contact can cause irritation or allergic dermatitis.  
EYES: Flush with water for at least 15 minutes or until irritation is relieved.  
INHALATION: Immediately remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If not breathing give oxygen.  
INGESTION: Seek medical attention immediately. If person is conscious give water to dilute stomach content.  
NOTE TO PHYSICIAN: Neutralize with bicarbonates.

**X. SPILL AND DISPOSAL INFORMATION**

STEPS TO BE TAKEN IN CASE OF A SPILL  
Ventilate area. Use self-contained breathing apparatus and protective clothing. Vapors are heavier than air and will collect in low areas and confined areas.

**WASTE DISPOSAL INFORMATION**

Comply with Local, State and Federal Regulations. Avoid environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant local, state and federal laws.

Waste Disposal Summary: This product has none of the characteristics of a hazardous waste. Disposal Methods: Dispose of in accordance with local, state and federal regulations. Disposal preferred in sanitary sewer.

Components subject to land ban restrictions: No components subject to land ban restrictions. Do not release to environment without appropriate permits.

RCRA HAZARDOUS WASTE: YES    NO     RQ: 1,000 lbs. UN/NA NO.

SHIPPING NAME: HYDROCHLORIC ACID SOLUTION UN1789 PGII

HAZARD CLASSIFICATION: CORROSIVE LIQUID DOT CLASS 8

XI. This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200 and ANSI Z400 1-2004. This information should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. FreshAWL believes this information to be reliable and up to date as of this publication date, but make no warranty that it is. If this MSDS is more than three years old, you should contact the supplier to make sure the information is still current.