



CHEM-TECH SOLUTIONS INC

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SECTION I. GENERAL INFORMATION

Product Name (Number) WESTECH™ ALUMINUM BRIGHTENER

Chemical Family INORGANIC ACID SOLUTION
 D.O.T. Hazard Class CORROSIVE MATERIALS

SECTION II. HAZARDOUS INFORMATION

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT	OSHA PEL	ACGIH TLV
Hydrofluoric Acid	7664-39-3	0 - 10%	3ppm	3ppm
Sulfuric Acid	7664-93-9	0 - 5%	1mg/m ³	1mg/m ³
Phosphoric Acid	7664-38-2	0 - 5%	3mg/m ³	1mg/m ³
Nonyphenol Polyethoxylate	9016-45-9	0 - 5%	NE	NE

SECTION III. PHYSICAL DATA

(Published or Estimated Values)

Boiling Point Deg. F.: 212° F + Specific Gravity: 1.23 (H₂O = 1)
 Vapor Pressure: NA % Volatile by Weight: 95.0%+
 (mm Hg at 20° Deg. C.) Evaporation Rate: NA
 Vapor Density (Air = 1): NA PH: 2.8
 Solubility in Water: COMPLETE
 Appearance and Odor: CLEAR TO LIGHT AMBER WITH IRRITATING ODOR.

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Estimated Flammable Limits (% by Volume in Air) (@ 302 F) LEL: NE UEL: NE

Flash Point Deg. F.: WATER-BASED PRODUCT THAT WILL NOT BURN OR SUPPORT FLAMES.
 Extinguisher Media: USE WATER SPRAY, FOAM, DRY CHEMICAL OR OTHER AGENTS SUITABLE FOR SURROUNDING FIRE.
 Special Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
 Unusual Fire and Explosion Hazard: HYDROGEN COULD BE GENERATED BY THE ACTION OF THIS SOLUTION ON SOME METALS.

NA - NOT APPLICABLE NE - NOT ESTABLISHED UN - UNKNOWN

SECTION V. HEALTH HAZARD DATA (Symptoms/effects of Overexposure)

Routes of Entry
 Ingestion: MAY CAUSE SEVERE BURNS OF MOUTH, ESOPHAGUS, THROAT, OR STOMACH.
 Skin: PRIMARY EXPOSURE ROUTE. SEVERE IRRITANT TO THE SKIN AND CAN CAUSE BURNS AND POTENTIAL DESTRUCTION OF TISSUE.
 Inhalation: MIST COULD CAUSE DAMAGE TO NASAL AND RESPIRATORY PASSAGES.
 Eye Contact: SEVERE IRRITANT AND WILL CAUSE BURNS AND TISSUE DAMAGE IF NOT TREATED IMMEDIATELY.
 Carcinogenicity: NONE
 Medical Conditions generally aggravated by exposure: DERMATITIS, CUTS, BROKEN SKIN, AND PRE-EXISTING RESPIRATORY OR LUNG CONDITIONS.

SECTION VI. HEALTH HAZARD DATA (Emergency and First Aid Procedures)

Inhalation: REMOVE VICTIM FROM CONTAMINATED AREA AND ADMINISTER OXYGEN. SEEK MEDICAL ASSISTANCE IMMEDIATELY.
 Ingestion: DRINK COPIOUS AMOUNT OF WATER. **DO NOT INDUCE VOMITING!** ADMINISTER A SMALL DOSE OF MILK-OF-MAGNESIA. SEEK MEDICAL ASSISTANCE IMMEDIATELY.
 Skin Contact: IMMEDIATELY FLOOD WITH WATER FOR AT LEAST 15 MINUTES. DO NOT USE CHEMICAL NEUTRALIZING AGENT. MAY APPLY CALCIUM GLUCONATE OR ICED AQUEOUS SOLUTION. SEEK IMMEDIATE MEDICAL ATTENTION.
 Eye Contact: FLUSH WITH COOL WATER FOR AT LEAST 15 MINUTES. OPEN LIDS SO THAT WATER IS FLUSHED ON ALL EYE SURFACE. SEEK MEDICAL ASSISTANCE.

Stability
 Stable: X Unstable: _____ **Conditions to Avoid:** EXCESSIVE AND PROLONGED HEAT.

Incompatibility: AVOID CONTACT WITH ALKALINES, GLASS AND CERAMICS.
 (Materials to Avoid)

Hazardous Decomposition Products: THIS IS A WATER-BASED PRODUCTS. FLUORIDES AND HYDROGEN GAS COULD BE PRODUCED WITH PROLONGED THERMAL ACTION.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VIII.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FOR SMALL SPILLS TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND REACT WITH SODA ASH OR LIME. PLACE IN CONTAINER FOR LATER DISPOSAL. FOR LARGE SPILL, STOP AT SOURCE AND DIKE TO PREVENT SPREADING. PUMP TO SALVAGE TANK.

Waste Disposal: FOR SMALL SPILL, FLUSH IN DRAIN WITH LARGE AMOUNT OF WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS. FOR LARGE SPILL, COLLECT AND ADD SLOWLY TO LARGE SOLUTION OF SODA ASH OR SLAKED LIME. ADD NEUTRALIZED SOLUTION TO EXCESS RUNNING WATER IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

Must be in accordance with Federal, State and Local Laws and Regulations

SECTION IX.

SPECIAL PROTECTION

Respiratory: IF UTILIZED WITHIN ENCLOSED STRUCTURE, A FULL-FACE MASK WOULD BE APPROPRIATE.

Eyewear: CHEMICAL SAFETY GOGGLES AS WELL AS FACE SHIELD TO PREVENT CONTACT. OTHER APPROVED SAFETY GLASSES WHERE APPROPRIATE.

Clothing/Gloves: CHEMICAL RESISTANT GLOVES AND CLOTHING.

Ventilation: LOCAL EXHAUST IS PREFERRED TO KEEP BELOW EXPOSURE THRESHOLD IF PRODUCT IS UTILIZED IN ENCLOSED AREA

SECTION X.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

CARE MUST BE TAKEN WHEN USING OR DISPOSING OF THE CLEANING SOLUTION AND/OR THEIR CONTAINERS TO PREVENT ENVIRONMENTAL CONTAMINATION.

Other Precautions:

Contains: Since empty containers may retain product residues (vapor, liquid, or solid) all labeled hazard precautions must be observed. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

SECTION XI.

ADDITIONAL INFORMATION

Seller makes no warranty, whether expressed or implied including warranties of merchantability or fitness for a particular purpose. Buyer accepts liability for determining if the product is suitable for the intended use and resale. Any recommendations as to intended use and resale. Any recommendations as to intended use and resale. Any recommendations as to intended use and resale. Any recommendations as to use made by seller is done so at buyer's risk. Buyer's exclusive remedy and seller's liability for damages shall never exceed purchase price or replacement of product.

EMERGENCY TELEPHONE NUMBER

DAY OR NIGHT
 EMERGENCY 24 HOUR SERVICE
 CHEM-TEL, INC.
 1-800-255-3924

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