



SapH WT

SYNTHETIC ACID REPLACEMENT FOR WATER TREATMENT

- 100% Synthetic Acid
- Non-Corrosive
- Non-Skin Irritant
- Non- D.O.T. Regulated
- Balances pH
- No Secondary Containment
- Non-Mutagenic
- Outperforms Hydrochloric
- No Disposal Restrictions

Until now, the only effective way to reduce the pH of your reclaimed water has been to use harsh mineral acids. While these acids lower the pH of the water you want to discharge, they pose significant challenges in their storage and use.

SapH WT safely lowers pH in water without the use of harsh mineral acids. This is done through the power of SynTech[®], the world's only synthetic acid. SynTech carries a triple-zero HMIS score, is rated non-corrosive, non-fuming, 100% biodegradable, non-mutagenic to fish and wildlife.

SapH WT also uses EMS' Xtreme technology to safely reach and maintain local, state and federal bacteria levels. SapH WT treats water without the use of quat or chlorine. Xtreme technology uses patented bound vegetative microbes to quickly break down waste solids and other organic compounds.

SapH WT is bound to make an impact in the waste water industry. Not only do you need less SapH WT to adjust pH than traditional acids, SapH WT does so without fumes. SapH WT has been proven to have no inhalation risk, exceeds all DOT regulations as a non-corrosive liquid as such can be shipped and stored without concern or special containment.

SapH WT can be used with any self-monitoring water system making it ideal for use in swimming pools. Or add as needed by hand to lower pH according to the label instructions.

NSF certified G1, G5, G7, Q1, Q2 and L1,



Nonfood Compounds
G1, G5, G7, Q1, Q2 and L1

Technical Data

NITRATE LEVEL: 0% - None	SHIPPER REGULATIONS: None
FORM: Liquid	FLASH POINT: None
ODOR: Slight Odor	BOILING POINT: 253° F
COLD STABILITY: -16° F	SOLUBILITY IN WATER: 100%
DETERGENCY: Moderate	CARCINOGENS: None
TOXICITY: Non Toxic	VOLATILE BY VOLUME: N/A
WETTING ABILITY: Excellent	BIODEGRADABLE: Yes/100%
STORAGE STABILITY: 1 Year+	VISCOSITY: Thin

Metal Studies

Dept. of Transportation (D.O.T.) Test Protocols as per Section 173.154
Exceptions for Class 8 (corrosive materials): The material being tested must be proven to be non-destructive or not to cause irreversible alterations in human skin tissue. Testing was conducted on an albino rabbit.

Conclusion: SapH WT was proven to be NON-DESTRUCTIVE on human skin tissue.

Metal Test Limits: D.O.T. Classifies a material to be CORROSIVE if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075-Y6 Aluminum.

Results of SapH WT:	SAE 1020 carbon steel = 0.59 mmpy
	Y075-Y6 Aluminum = 0.59 mmpy

Conclusion: EnviroSapH is NON-CORROSIVE

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
Non-Regulated

USDA Authorization

A1, A2, A3, A4, A7, A8, C2, G6 & G7

NSF

G1, G5, G7, Q1, Q2, L1

Guarantee

EMS guarantees this product to be free from defects and true to its contents.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.
LC 50 and LD 50 were proven to be NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals
SapH WT was proven to be NON-MUTAGENIC

Dermal Irritation & Corrosion Test

A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.

SapH WT received a Primary Irritation Score of .09 \pm 0.2 and is classified as a "Mild Skin Irritant"

Biodegradation & Aquatic Safety

Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

Test Results Conclude SapH WT was found to be
100% Biodegradable

COD = **Low Detectable Limits**

BOD = **No Detectable Limits**