

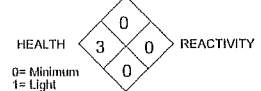


# WALTER

J. WALTER INC.  
 141 Locust St., Hartford, CT 06114-1504  
 www.walter.com  
 EMERGENCY NUMBER: INFOTRAC 1-800-535-5053

NFPA Hazard Identification

FLAMMABILITY



HEALTH  
 0= Minimum  
 1= Light  
 2= Moderate  
 3= Serious  
 4= Extremely

## MATERIAL SAFETY DATA SHEET M.S.D.S. No.: S-01E

### SECTION 1 & 2 - Product & Preparation Information

TRADE NAME(S) Surfox-T	PRODUCT NAME(S) Weld Cleaning Electrolyte
	ORDER NO. 54-A 005, 54-A 006
PREPARED BY Product Manager, Chemical Tools	WHMIS CLASSIFICATION E
TELEPHONE # (860) 724-0321 DATE July 23, 2003	THIS IS A CONTROLLED PRODUCT UNDER WHMIS No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>

### SECTION 3 - Hazardous Ingredients

CHEMICAL IDENTITY	% BY WEIGHT	C.A.S. Number	LD <sub>50</sub> RAT	LC <sub>50</sub> RAT
Phosphoric acid (in solution)	30-60	7664-38-2	1530 mg/kg	N/Av

### SECTION 4 - Physical Data

PHYSICAL STATE Liquid	ODOUR & APPEARANCE Characteristic odour of acid and light colour	ODOUR THRESHOLD N/Av
pH 1	BOILING POINT (°C) 110°C	FREEZING POINT (°C) N/Av
SPECIFIC GRAVITY 1,45 g/ml @ 20°C	VAPOUR PRESSURE N/Av	VAPOUR DENSITY N/Av
EVAPORATION RATE N/Av		SOLUBILITY IN WATER Soluble

### SECTION 5 - Fire or Explosion Hazards

FLAMMABILITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Conditions None	HAZARDOUS COMBUSTION PRODUCTS Normal combustion product
EXTINGUISHING MEDIA None	SENSITIVITY TO MECH. IMPACT OR STATIC DISCHARGE No
FLASHPOINT (C, Method) N/A	AUTO IGNITION TEMPERATURE (C) N/A FLAMMABLE LIMITS (%) UPPER N/Av LOWER N/Av

### SECTION 6 - Toxicological Data

ROUTE OF ENTRY <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion				
ACUTE EXPOSURE EFFECTS Contact with eyes, skin and mucosal tissue could cause irritation.			EXPOSURE LIMITS TLV-TWA = 1mg/m <sup>3</sup>	
CHRONIC EXPOSURE EFFECTS None				
CARCINOGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	MUTAGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	REPRODUCTIVE TOXICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	TERATOGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	SYNERGISTIC EFFECTS No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
IF YES TO ANY ABOVE, SPECIFY: No				

### SECTION 7 - Reactivity Data

CHEMICAL STABILITY No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Conditions None	REACTIVITY CONDITIONS Heat
INCOMPATIBLE SUBSTANCES Strong Bases	HAZARDOUS DECOMPOSITION PRODUCTS 1) Release of Fluorine compounds and/or Hydrogen Fluoride (toxic) from heating of wet process acid. 2) Release of Phosphorus Oxides (toxic) from thermal decomposition and of Hydrogen from reaction with metals.

### SECTION 8 - Preventive Measures

PROTECTIVE EQUIPMENT <input checked="" type="checkbox"/> Eyewear <input type="checkbox"/> Clothing <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Other	ENGINEERING CONTROLS None
HANDLING PROCEDURES Keep containers tightly closed.	HANDLING EQUIPMENT None
WASTE DISPOSAL METHODS Eliminate while respecting, municipal, state and federal regulations.	LEAK/SPILL PROCEDURES Soak up with absorbent material. Rinse small amounts with quantities of water. Neutralise with lime.
STORAGE REQUIREMENTS Protect from freezing. Min. temp. 0°C - Max. 50°	SPECIAL SHIPPING INFORMATION Phosphoric acid, Class 8 (9.2), UN 1805 P G III

**SECTION 9 - First Aid Measures**

SKIN CONTACT	Rinse with soap and water for at least 20 minutes
EYE CONTACT	Rinse eyes thoroughly with water for at least 20 minutes, consult physician if needed.
INHALATION	Bring the victim to fresh air.
INGESTION	Rinse out mouth with water and give plenty of water to drink. Do not induce vomiting. Consult physician if needed.
OTHER	Change saturated clothing.

N/A - Not Applicable

N/Av- Not Established

*This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.*