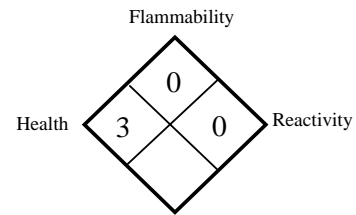




MATERIAL SAFETY DATA SHEET

S-01E

NFPA Hazard Rating



Section 1 - Product Identification

J. WALTER INC.
810 Day Hill Road
Windsor, CT 06095

Trade name: Surfox-T
Product name: Weld cleaning electrolyte
Order no.: 54-A 005, 54-A 008
WHMIS Classification: E
Controlled under WHMIS: Yes

Emergency: INFOTRAC (800)-535-5053

Section 2 - Hazardous Ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>LD₅₀RAT</u>	<u>LC₅₀RAT</u>
Phosphoric acid (in solution)	7664-38-2	30 - 60	1530 mg/ kg	N/Av

Section 3 - Physical / Chemical Characteristics

Physical state: Liquid	Odor & appearance: Acid odor, clear	Odor threshold: N/Av
pH: <1	Boiling point: 110°C	Freezing point: N/Av
Specific gravity: 1.38 g/ml @ 20°C	Vapor pressure: N/Av	Vapor density: N/A
Evaporation rate: N/Av	VOC g/l: 0	Water solubility: Miscible

Section 4 - Fire & Explosion Hazard

Flammability: No **Conditions:** None **Extinguishing media:** None
Flashpoint: N/A **Hazardous combustion products:** See hazardous decomposition products after evaporation of water.
Auto ignition temperature: N/A **Sensitivity to mechanical impact or static discharge:** N/Av
Flammable limits (%): Upper: N/A Lower: N/A

Section 5 - Reactivity Data

Chemical stability: Yes **Conditions:** None
Reactivity conditions: Heat
Incompatible substances: Strong bases
Hazardous decomposition products: Release of fluorine compounds and/or hydrogen fluoride from heating of wet process.
Release of phosphorus oxides from thermal decomposition and release of hydrogen from reaction with metals.

N/A - Not Applicable

N/Av - Not Available

MATERIAL SAFETY DATA SHEET

S-01E

Section 6 - Toxicological Data

Route of entry: Eye and skin contact, skin absorption, inhalation, ingestion.

Acute exposure effects: Contact with skin, eyes and mucosal tissues could cause irritation.

Chronic exposure effects: None

Exposure limits (TLV/TWA): 1 mg/m³

<u>Carcinogenicity</u>	<u>Mutagenicity</u>	<u>Reproductive toxicity</u>	<u>Teratogenicity</u>	<u>Synergistic effects</u>
No	No	No	No	No

If yes to any of the above, specify:

Section 7 - Preventive Measures

Protective equipment: Eyewear, gloves, clothing

Handling procedures: Normal procedure when handling strong acids.

Waste disposal methods: Dispose as per local, state and federal regulations.

Leak/spill procedures: Soak up with absorbent material, place in approved containers.
Neutralize with weak alkaline solution.

Storage requirements: Store between 0°C and 50°C.

Engineering controls: N/A

Handling equipment: N/A

Special shipping information: Phosphoric acid, Class 8 (9.2), UN 1805, PG III

Section 8 - First Aid Measures

Skin contact: Wash with soap and water until substance is removed from skin.

Eye contact: Rinse eyes thoroughly with water for 20 minutes. Consult a physician if necessary.

Inhalation: Remove victim to fresh air.

Ingestion: Rinse mouth with plenty of water, drink plenty of water, do not induce vomiting. Consult a physician immediately.

Other: Change saturated clothing.

Section 9 - Preparation of MSDS

Prepared by: Chemical Tools Manager

Telephone: 860-298-1100

Date: May 1, 2008

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.