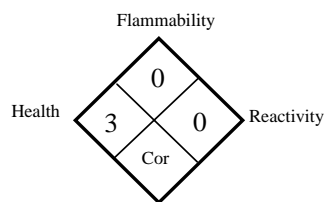




# MATERIAL SAFETY DATA SHEET

## L-130E

### NFPA Hazard Rating



0 = Minimum 1 = Light 2 = Moderate 3 = Serious 4 = Extreme

### Section 1 - Product Identification

J. Walter Inc.  
810 Day Hill Road  
Windsor, CT 06095

**Trade name:** INOX PLUS Liquid  
**Product name:** Non-Toxic Degreaser and Rust Remover for Stainless Steel AISI 300  
**Order no.:** 53-G 317, 53-G 318, 53-G 319  
**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>LD50(Oral Rat)</u>	<u>LC<sub>50</sub>RAT</u>
Ammonium Bifluoride	1341-49-7	5-10%	130 mg/kg	N/Av
Phosphoric acid	7664-38-2	30-60%	1530 mg/kg	N/Av

### Section 3 - Physical / Chemical Characteristics

<b>Physical state:</b> Liquid	<b>Odor &amp; appearance:</b> Acid odor, limpid	<b>Odor threshold:</b> N/Av
<b>pH:</b> < 1	<b>Boiling point:</b> 230°F	<b>Freezing point:</b> 32°F
<b>Specific gravity:</b> 1.4 @ 68°F	<b>Vapour pressure:</b> N/Av	<b>Vapor density:</b> N/Av
<b>Evaporation rate:</b> N/Av	<b>VOC g/l:</b> 0	<b>Water solubility:</b> Soluble

### Section 4 - Fire & Explosion Hazard

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

### Section 5 - Reactivity Data

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

N/A - Not Applicable

N/Av - Not Available

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## L-130E

### Section 6 - Toxicological Data

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

**Acute exposure effects:** Contact with eyes, skin and mucosal tissue may cause irritation or burns.

**Chronic exposure effects:** A prolonged or repeated contact with the skin may cause irritation or burn.

**Exposure limits (TLV/TWA):** 1 mg/cubic meter (phosphoric acid)

**Exposure limits (TLV/STEL):** 3 mg/cubic meter (phosphoric acid)

<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:** Eliminate while respecting municipal, state and federal regulations.

**Leak/spill procedures:** Wipe up with an absorbent material. Rinse small quantities with water. Neutralize.

**Storage requirements:** Store under 122°F. Protect from freezing.

**Engineering controls:** N/A

**Handling equipment:** N/A

**Special shipping information:** Inorganic Corrosive Liquid (Phosphoric acid) N.O.S. - Class 8, UN 3264. PG III

### Section 8 - First Aid Measures

**Skin contact:** Continuously flush contaminated area with lukewarm, gently flowing water for at least 30 minutes. Under running water, remove clothing, shoes and contaminated leather articles. Consult a physician .

**Eye contact:** Immediately rinse exposed eyes by maintaining eyelids opened and continuously flushing contaminated area with lukewarm, gently flowing water for at least 30 minutes. Consult a physician immediately.

**Inhalation:** Remove patient to fresh air.

**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Rinse mouth thoroughly. Never give anything by mouth if victim is rapidly losing consciousness, unconconscious or convulsing. Change saturated clothing. Consult a physician immediately.

**Other:** Remove contaminated clothing and wash before reusing. In all cases, consult a physician.

### Section 9 - Preparation of MSDS

**Prepared by:** Chemical Tool Manager

**Telephone:** 860-298-1100

**Date:** December 10th, 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.*

N/A - Not Applicable

N/Av - Not Available