

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: STAINLESS STEEL CLEANER
LIQUID ACID CLEANER

Chemical Formula: H313

Manufacturer: Hawco Products Limited
61 Shaver Street,
Brantford, Ontario. N3T 5V6

Distributor:

Emergency Telephone Number: 1-519-759-2443
Hazard Rating

Date prepared: September 4, 2014

HEALTH:	2	FLAMMABILITY:	0
REACTIVITY:	1	PERSONAL PROTECTION:	E

SECTION II - INGREDIENTS (disclosed as per 29 CFR 1910.1200)

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>
PHOSPHORIC ACID	7664-38-2	10 - 30	IMG/CU.M
SURFACTANT BLEND	NAV	3 - 7	NONE
ETHANOL, 2-BUTOXY	111-76-2	7 - 13	25 ppm

SECTION III - PHYSICAL DATA

Boiling Point (deg C): 100	Specific gravity: 1.07-1.09
Composite Partial Vapour Pressure (mm Hg @ 25C): 760	Solubility in Water: (20C) INFINITE
pH (as supplied): 1.5 - 2.0	Color: CLEAR BLUE
Physical State: LIQUID	Odor: ODORLESS

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: NOT FLAMMABLE
Flash Point (deg C, TCC): NON COMBUSTIBLE LEL: NAV UEL: NAV
Hazardous combustion products: NAV Extinguishing Media: NON-FLAMMABLE
Special Fire Hazards: Use full protective clothing and S.C.B.A. Thermal decomposition emits toxic fumes of oxides of phosphorus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: STABLE Incompatible Materials: Alkaline materials,
Reactive Metals.
Hazardous decomposition products: At flame temperature, will emit toxic phosphoric acid fumes.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Skin Contact, Skin Absorption, Eye Contact, Inhalation Acute, Inhalation Chronic, Ingestion

EFFECTS OF ACUTE EXPOSURE:

Eye: Irritation

Skin: Irritation

Inhalation (of mists): Irritant, slightly toxic when inhaled.

Ingestion: Irritant, slightly toxic when ingested.

EFFECTS OF CHRONIC EXPOSURE: Slightly toxic with repeated inhalation or ingestion. Causes burn to exposed tissue.

Carcinogenicity: NOT LISTED BY OHSA

SECTION VII- PREVENTATIVE MEASURES

Protective gloves: RUBBER OR NEOPRENE

Eye protection: CHEMICAL GOGGLES

Respiratory protection: GAS IN MIST / MSHA ACID

Other protective equipment: EYE WASH STATION. PROTECT SKIN & EYES.

Engineering controls: VENTILATE ONLY IF MIST CONDITION

Leak and Spill Procedure: DIKE & SALVAGE OR NEUTRALIZE WITH SODA ASH OR LIME. TO TREATMENT CENTER IN ACCORDANCE WITH GOVT. REGULATIONS.

Waste disposal:

Storage Requirements: USE SUITABLE CONTAINERS. i.e. POLYETHYLENE, STAINLESS STEEL, GLASS.

SECTION VIII - FIRST AID

Eye contact: Flush with copious amounts of water for at least 15 min. If irritation persists, seek medical attention.

Skin contact: Wash off with water. If irritation persists, seek medical attention immediately.

Inhalation: Remove from exposure. If breathing is difficult, seek medical attention.

Ingestion: Rinse mouth with water: give copious water to cause dilution in stomach. Do not cause vomiting. Seek medical attention immediately.

SECTION IX - PREPARATION DATA OF MATERIAL SAFETY DATA SHEET

Additional information/comments:
Prepared By: HAW
NAP - Not Applicable, NAV - Not Available.

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages, which may result from the use of or reliance on any information, contained in this form.