



MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

Product Trade Name: TRULOCK ETCHANT LIQUID
Manufacturer: RMO, INC.
Address: 650 WEST COLFAX AVENUE
City, State, Zip: DENVER, COL 80204 U.S.A.
Emergency Telephone Number: (800) 424-9300 / (703) 527-3887 (Chemtrec)
Information Telephone Number: (800) 835-0885 / (847) 677-5500
Date Revised: 07-JAN-16 Rev.001

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	Concentration	CAS NO.	SYMBOL	R	OTHER LIMITS
Phosphoric Acid	37%	(7664-38-2)	C	34	

SECTION III - Hazards Identification

HAZARD CLASSIFICATION Corrosive

SECTION IV - First Aid Measures

Skin: Immediately wash skin with plenty of water. If irritation occurs seek medical advice.
Ingestion: If swallowed do not induce vomiting. Give large quantities of water and milk. Seek medical attention.
Eyes: Flush with plenty of water. Seek immediate medical attention by an Ophthalmologist.

SECTION V - Fire-fighting Measures.

The product is not considered to be a fire hazard. The information below are given for extinguishing a fire generated by other sources.

Suitable extinguishing Media: Water, Chemical Foam, Carbon Dioxide, or Dry Chemical
Forbidden Extinguishing Media: None
Special Exposure Hazards: Toxic fumes of Phosphoric Acid
Unusual fire and explosion hazards: Contact with some metals may cause formation of hydrogen gas.
Special Protection Equipment: Self Contained Breathing Apparatus if toxic fumes are generated.

SECTION VI - Accidental release

measures **Personal Precautions:** See sections VII and VIII
Environmental Precautions: None
Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner.

SECTION VII - Handling and Storage

Handling: Avoid unnecessary exposure.
Storage: Room Temperature.
Containers: Supplied by manufacturer.
Incompatibilities: Strong Caustics, Sulfites, Sulfides and Metals.
Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.



SECTION VIII - Exposure Controls / Personal Protection.

General Measures: Ventilation: not applicable.
Limits: TWA: 1mg/m³; TLV: 3 mg/m³. Respiratory protection: N/A
Eye Protection: Safety Glasses or Goggles.
Skin Protection: Respect good personal hygiene practice. Avoid unnecessary exposure. Hands Protection: Impervious Gloves
Other Equipment: Lab Coat.

SECTION IX - Physical and Chemical Properties.

Appearance:	Liquid	Explosion Limits:	N/A
Odour	None	Water solubility:	Soluble.
pH 10 % solution:	below 2	Specific Gravity	1.2 g/cm ³ .
Boiling Point:	100 °C	Evaporation Rate:	N/A
Flash Point	N/A		

SECTION X - Stability and Reactivity.

Stability:	Stable.
Conditions to avoid:	Temperatures over 40 °C
Materials to avoid:	Strong Caustics, Sulfites, Sulfides,
Metals. Hazardous Decomposition Products:	Toxic fumes if temperature is above 100 °C.
Hazardous Polymerization Products:	None

SECTION XI - Toxicological Information.

Ingestion: May cause sore throat, abdominal pain, nausea and severe burns of mouth, throat and stomach.
Eye contact: May cause redness, pain, blurred vision, eye burns or permanent eye damage.
Skin Contact: May cause redness, pain and severe skin burns.
Inhalation: Inhalation is not a hazard unless the product is heated at high temperatures. In these conditions may cause irritation of the respiratory system, asfixia or permanent damage the lungs.
Prolonged exposure: Burns to eye, soft tissue or respiratory tract.

SECTION XII - Ecological Information.

There is no specific information on the product. Use according to good working practice. Avoid releasing the product into environment.

SECTION XIII - Disposal Considerations.

Dispose according to local regulations.



SECTION XIV - Transport Information.

Substances determining Hazard: Phosphoric Acid.

SEA
TRANSPORTATION

IMCO # 8204
UN # 1805

AIR TRANSPORTATION

ICAO/IATA CLASS: 8

GROUND TRANSPORTATION:

RID/ADR Class	9	Substance Identification #:	1805
Item #	11c	Hazard Label:	9
Hazard Identification #:	80		

SECTION XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC

DIRECTIVES. Hazard Classification Symbol: C

R34

Causes burns

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45

In the event of an accident, seek immediately medical assistance. Ingredients Determining the label: PHOSPHORIC ACID.

SECTION XVI - Other Information

None.

CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY.

The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.