

1- IDENTIFICATION

Product name: **FOSFO**
Description: LIQUID DESCALER
Product family: Aqueous mixture
Restrictions on use: For industrial use only.
For stainless steel, food grade
Supplier/Manufacturer: MAUNCO CLEANING AND SUPPLIES WAREHOUSE
270 Adams street, Belleville, Ontario, K8N 5S4
613 962-0437 www.maunco.com

2- HAZARDS IDENTIFICATION

Product classification:

Corrosive liquid for some metals.
Skin / eye corrosion

Pictogram GHS:**Signal word:**

CAUTION!

Can cause severe skin burns and serious eye damage.
May irritate the respiratory tract.
Do not breathe spray mist.

Individual protection:

Wear protective gloves and goggles or a visor.
Use a rubber apron or waterproof long sleeve shirt.
Use in a well-ventilated area.

3- COMPOSITION/INFORMATION ON INGREDIENTS

MIX

<u>Name</u>	<u>CAS Number</u>	<u>% weight</u>
Phosphoric acid	7664-38-2	40-70

4- FIRST AID MEASURES

Eye contact:	Rinse eyes quickly with plenty of water for at least 15 minutes. Rinse by lifting the eyelids regularly. See a doctor immediately.
Skin contact:	Remove contaminated clothing promptly using appropriate gloves. Rinse skin with soap and water until product is removed. Consult a physician if irritation persists.
Inhalation:	In the event of inhalation of mist, move the person to a ventilated area and place in a semi-sitting position. Call the emergency medical center.
Ingestion:	If swallowed, rinse mouth. Give 2-3 glasses of water to drink. Do not induce vomiting and seek medical attention immediately.

5- FIRE-FIGHTING MEASURES

Flamability of the product:	Not flammable
Extinguishing media:	Use any extinguishing media appropriate to surrounding.

6- ACCIDENTAL RELEASE MEASURES

Personal protection:	Respiratory protection with full face mask. Rubber gloves with long sleeve. Rubber boots. Tight tracksuits
Environmental precautions:	Avoid dispersal from entering sewers, waterways or low areas.
Methods for cleaning:	Small spill: Mop up or absorb liquid with inert absorbent material. Contain residues in an airtight container. Refer to section 13 for waste disposal. Complete cleaning, rinsing with water. Large spill: Ventilate the premises. Absorb with inert absorbent material. Contain residues in an airtight container. Refer to section 13 for waste disposal. Complete cleaning, rinsing with water.

7- HANDLING AND STORAGE

Handling: This product should be diluted before use.
Never add water to this product, for dilution slowly add the product to water, stirring constantly. Handle away from incompatible materials. Avoid contact with skin. Wear eye protection and equipment in case of insufficient ventilation, suitable respiratory protective device. Workers handling transvasent or corrosive substances must wear appropriate personal protective equipment. This product is corrosive: if handled or transferred regularly or frequently, eyewash or true emergency showers must be made available to workers and be located near the work station. Avoid wearing contact lenses when handling the product.

Always add acid to water. Never add water to acid!

Incompatibility with: Alkaline products (bleach, for example), chlorinated materials, soft metals (Zn, Al, Sn)

Storage: In a cool, dry place. Between 5°C and 35 ° C. Keep out of freezing.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Eyewash and emergency showers near the working place of decanting.

Exposure

<u>Name</u>	<u>TLV - ACGIH*</u>	<u>IDLH</u>
Phosphoric acid	1 mg/m ³	not avail

**Consult local officials to know the exposure values considered acceptables.*

Personal protection

Respiratory: None generally required if ventilation is normal and adequate. If ventilation is deficient, use an appropriate acid mist mask.

Eye: Visor or safety goggles. Do not wear contact lenses when handling the product.

Hands: Rubber or nitrile gloves

Chlothing: Use a rubber apron or long sleeve waterproof shirt depending on the nature of the work to be performed.

General: Do not wear contact lenses when handling the product.

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless liquid	
Odour:	odorless	
Odor threshold:	not available	
pH:	Between 0 and 1	
Freezing point / melting point:	not available	
Boiling point:	Between 130 and 158°C	
Flash point:	not available	
Evaporating rate:	not available	(ether=1)
Flammability:	not flammable	
Flammable limits	not available	
Vapor pressure:	not available	(mm Hg)
Vapor density:	not available	(air=1)
Specific gravity:	1.330	(water=1)
Solubility in water:	Miscible in cold water as with hot water.	
N-octanol / water partition coefficient:	not available	
Auto ignition temperature:	not available	
Decomposition temperature:	not available	
Viscosity:	4 cps (22°C, spindle #1, 20rpm)	

10- STABILITY AND REACTIVITY

Chemical stability:	The product is stable under normal condition.
Hazardous reactions:	Refer to Section 7 incompatible materials and handling.
Decomposition products:	Phosphorous oxyde
Incompatibility with:	Refer to Section 7 incompatible materials

11- TOXICOLOGICAL INFORMATION

Acute toxicity

Datas: There are no data for the product, only for the ingredients

Name	<u>DL₅₀ (rat, oral)</u>	<u>CL₅₀ (rat, 4h)</u>
Phosphoric acid	1530mg/kg	not av

Chronic health effects**Health effects**

Sensitizer	No data available
Carcinogenicity	No data available
Teratogenicity	No data available
Reproductive effects:	No data available
Synergistic product:	No data available

12- ECOLOGICAL INFORMATION

Ecotoxicity: (fish, aquatic invertebrates, aquatic plants, microorganisms): No data

Biodegradability: No data

Other adverse effects: No data

13- DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations. The empty container may retain product residues, do not reuse the container. Empty and rinse packaging can be recycled.

14- TRANSPORT INFORMATION

TDG classification: UN1760, CORROSIVE LIQUID N.O.S.,(Phosphoric acid), Class 8, PG II

Additional information: Limited quantity 1L

15- REGULATORY INFORMATION

WHMIS 1988 (Canada): E Corrosive material

**16- OTHER INFORMATION**

Date of issue: 2017-10-26

References:

1. Manufacturer Datasheet
2. CNESST, Toxicological Directory, Products
3. RPD-SOR-2015-17
4. Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations - WHMIS 2015 Supplier Requirements

Notice to reader

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