

MATERIAL SAFETY DATA SHEET

HADDON EQUIPMENT & SUPPLIES
8441 MAIN STREET
VANCOUVER BC V5X 3Y2

Phone: (604) 325-3281
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666
Valid: Nov. 2011 – Nov. 2013

PRODUCT NAME: LAC-430
OTHER NAME:
DISTRIBUTED BY:

CODE: J435

WHMIS CLASSIFICATION: E
TDG CLASSIFICATION: PHOSPHORIC ACID, LIQUID; Class 8; UN 1805; PG III

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Phosphoric Acid (As 100% Active)	15-40	7664-38-2	LD ₅₀ Oral (rat) 1530 mg/kg ACGIH TLV - 1 mg/m ³

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Boiling Point: Not Avail.
Vapour Density: 3.4
Freezing Point: Not Avail.
Solubility in Water: 100%
Appearance & Odour: Clear, red liquid. No particular odour.

Sp. Gravity: 1.1340
Vapour Pressure: Not Avail.
Evaporation Rate: Not Avail.
pH: < 1

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: () Water Fog () Foam () CO₂
() Dry Chem () Other: As for surrounding fire.

Hazardous Combustion Products: Emits toxic fumes of oxides of phosphorus.

Special Firefighting Procedures: Use full protective clothing and self contained breathing apparatus.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid (X) Base
(X) Other: Contact with alkaline materials, reactive metals.

Hazardous Decomposition Products:
At flame temperatures, will emit toxic phosphorus oxide fumes.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **LAC-430**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Remove from exposure. If breathing is difficult or discomfort persists, get medical attention.

Ingestion: Do not induce vomiting. Give large quantities of water, milk, egg whites or milk of magnesia. Get medical attention.

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin: Wash off with water. If irritation persists, get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: Mist may cause severe irritation to eyes, throat and upper respiratory tract.

Ingestion: May cause severe burns to mouth, throat, esophagus, and stomach, nausea, vomiting. Risk of stomach perforation, convulsions and coma.

Eyes: Severe irritation, chemical burn likely. May cause permanent damage and possible blindness.

Skin: Severe irritation, corrosive to tissue.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Dike and salvage or neutralize. Soda ash and lime are neutralizing agents.

Waste disposal method:

If material cannot be salvaged, it should be neutralized and discharged into a treatment system in accordance with all local, provincial and federal regulations.

Handling and Storage Requirements:

Store in cool, dry, well ventilated, area in closed container away from heat sources, metals and oxidizers.

Ventilation Requirements (Local or General):

Use in well ventilated area.

Respiratory Protection:

In severe exposure, use self contained breathing apparatus.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Gloves and coveralls should be worn.