

MATERIAL SAFETY DATA SHEET

HADDON EQUIPMENT & SUPPLIES
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Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: LIQUID SOUR AND SOFTENER PLUS **CODE: L531**
OTHER NAME: SOUR SOFT PLUS
DISTRIBUTED BY:

WHMIS CLASSIFICATION: E
TDG CLASSIFICATION: CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID,
Class 8; UN 1760; PG III

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Phosphoric Acid (As 100% Active)	1-5	7664-38-2	LD ₅₀ Oral (rat) 1530 mg/kg ACGIH TLV - 1 mg/m ³
Citric Acid	7-13	77-92-9	LD ₅₀ Oral (rat) 5040 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Boiling Point: 100°C
Vapour Density: Not Avail.
Freezing Point: Not Avail.
Solubility in Water: 100%
Appearance & Odour: Pink colored, slightly viscous liquid with perfumed odour.

Sp. Gravity: 1.048 pH: Not Available
Vapour Pressure: Not Avail.
Evaporation Rate: Not Avail.

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): Not Available
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: (X) Water Fog (X) Foam () CO₂ (X) Dry Chem () Other:

Hazardous Combustion Products: Phosphorus oxide fumes may be generated in addition to ordinary combustion products.

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

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid (X) Base () Other:
Hazardous Decomposition Products: See Hazardous Combustion Products.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **LIQUID SOUR AND SOFTENER PLUS (SOUR SOFT PLUS)**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

- Inhalation: Remove from exposure. If discomfort persists, get medical attention.
- Ingestion: Do not induce vomiting. Give large quantities of water. 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 for at least 15 minutes. If irritation persists, get medical attention.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

- Inhalation: Inhaled mist will cause irritation of mucous membranes.
- Ingestion: Causes diarrhea, nausea, vomiting, cramps, gastro intestinal irritation.
- Eyes: Severe irritant, may cause chemical burn.
- Skin: Will cause irritation of skin. Repeated contact can cause defatting and dermatitis.

PREVENTIVE MEASURES

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

For smaller spills, flush off with water. For larger spills, dyke and salvage.

Waste disposal method:

Follow all local, provincial and federal regulations.

Handling and Storage Requirements:

Keep container closed when not in use.

Ventilation Requirements (Local or General):

Use in well ventilated area.

Respiratory Protection:

A mask may be worn.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Rubber gloves and coveralls should be worn to minimize contact with skin.

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911