

MATERIALS SAFETY DATA SHEET

Lee Sanitation Limited, Wharf Road, Fenny Compton, Warwickshire, CV47 2FE
Tel: 01295 770000 Fax: 01295 770022

SECTION1 – Chemical Product and Company Identification

Trade Name: LeeScale
Product Use: De-scaling Product
Company: Lee Sanitation Limited, Wharf Road, Fenny Compton, Warwickshire, CV47 2FE
Telephone: 01295 770000 Fax: 01295 770022 e-mail: Sales@leesan.com

SECTION2 – Composition/Information on Ingredients

Chemical Name	CAS Number	Weight %	Classification
Phosphoric Acid	7664-38-2	5-15	C
Citric Acid	77-92-9		
Tensides			
Inhibitor			
Water	7732-18-5		

SECTION3 – Hazards Identification

Human:	Irritant
Environment:	Product concentrate is acidic (pH1.4). May be harmful to aquatic life if released in large amounts. Phosphoric content may promote algae growth (fertilizer effect).

SECTION4 – First Aid Measures

Skin Contact:	Wash with soap and water. Remove soiled clothing and shoes, wash skin.
Eye Contact:	Rinse immediately with plenty of water. Seek medical attention.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Drink 2 glasses of water immediately. Do not induce vomiting. Seek medical attention.

SECTION5 – Fire Fighting Measures

Extinguishing Agents:	-
Hazard / Preventative Measures	The product does not constitute a fire hazard. Remove containers from fire area or cool with water.

SECTION6 – Accidental Release Measures

Personal Precautions:	Wear appropriate clothing, eye protection and gloves. (e.g. Polythene, or other plastic/rubber glove)
Environmental Precautions:	Prevent release of large volumes of 100% concentrate to drains. Contain spillage by diking with sand or earth.
Leak & Spill Procedures:	Remove spillage immediately. Small amounts may be neutralized and flushed away with plenty of water or removed after absorption by absorbent material. Removal of larger amounts: pump out as much as possible with appropriate equipment.

SECTION7 – Handling and Storage

Handling procedures and equipment:	Avoid spraying
Storage requirements:	-

SECTION8 – Exposure Control / Personal Protection

Engineering Controls::	Provide adequate ventilation and eye washing facility in areas where product is handled.
Control Parameters Monitoring Procedures:	-
Personal Protective Equipment (PPE)	Wear appropriate clothing, eye protection and gloves. (e.g. Polythene, or other plastic/rubber glove)

SECTION9 – Physical and Chemical Properties

Physical State:	Liquid	Odour and Appearance:	Yellow/Brown, Odourless
Gravity (g/cm3)	1.14	pH:	1.4
Boiling Point (°C):	101	Freezing Point (°C):	-
Vapour Pressure (mmHg):	-	Vapour Density (air=1)	-

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SECTION10 – Stability and Reactivity

Chemical Stability::	-
Reactivity:	-
Conditions to avoid:	-
Materials to avoid:	-
Hazardous Decomposition Products:	-

SECTION11 – Toxicological Information

General Health Effects::	The product is an aqueous solution containing phosphoric acid
Inhalation:	-
Ingestion:	May cause irritation to mouth, throat, esophagus and stomach.
Skin:	Repeated contact may cause irritation.
Eyes:	Very irritating to eyes. May damage the cornea.

SECTION12 – Ecological Information

Mobility:	The product is an aqueous solution and is soluble in all proportions with water.
Degradability:	Product is biodegradable
Bioaccumulation:	Product does not bioaccumulate.
Aquatic Toxicity:	Product concentrate is acidic (pH1.4). May be harmful to aquatic life if released in large amounts. Phosphorous content may promote algae growth.


SECTION13 – Disposal Considerations

Safe disposal methods:	Small amounts may be neutralised with sodium hydroxide solution (25% NaOH). 1 litre of NaOH solution to 2 litres of concentrated LeeScale. Neutralised solution is then flushed down the drain with plenty of water. Large amounts should be disposed of as a special waste in accordance with national and local regulations.
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SECTION14 – Transport Information

UN Number:	UN1805
Proper Shipping Name:	LeeScale
UN Class:	8
UN Label:	III
Packaging:	Packaged in 1 litre bottles.

SECTION15 – Regulatory Information

General:	-
Symbol:	 Xi Irritant
R-Phrases:	R-36/38 Irritating to eyes and skin
S-Phrases:	S-26 In case of contact with eyes, rinse immediately with water. Seek medical attention. S-28 After contact with skin, wash immediately with plenty of soap and water.

SECTION16 – Other Information

Recommended Use:	Special cleaning fluid for marine sanitation systems. Dilute with water (1:10) before use.
References:	Distributed by Lee Sanitation Limited
Date of Issue:	5 th February 2010
Version:	1.0
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