

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 |
|----------------|------------|----------|----------------|
| Phoshoric Acid | 7664-38-2 | 5-15 | C |
| Citric Acid | 77-92-9 | | |
| Tensides | | | |
| Inhibitor | | | |
| Water | 7732-18-5 | | |

SECTION3 – Hazards Identification

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| 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

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| 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

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| 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

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| 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

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| Handling procedures and equipment: | Avoid spraying |
| Storage requirements: | - |

SECTION8 – Exposure Control / Personal Protection

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| 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

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|-------------------------|--------|------------------------|-------------------------|
| 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

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| 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

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|-------------------|---|
| 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

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| 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. |
|------------------------|--|

SECTION14 – Transport Information

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

SECTION15 – Regulatory Information

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|------------|---|
| 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

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|-------------------|---|
| 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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