

## **LAV-BRITE**

**Product Code: JALA/B**

### **DESCRIPTION**

#### **IMPORTANT - READ THOROUGHLY BEFORE USING THIS PRODUCT.**

An acid descaling fluid based on inhibited, synergised hydrochloric acid. Suitable for a variety of special, acid cleaning operations.

### **DIRECTIONS**

The fluid is very effective for removing scale and stains from porcelain sanitary ware. In this case it is brushed, or carefully sprayed, onto the soiled areas and left for as long a practicable, preferably overnight, before rinsing off with water.

Lav-Brite contains 25% V/V of commercial hydrochloric acid and is effectively inhibited to drastically reduce attack on metals. It is not suitable however, for prolonged contact with stainless steel. It can be used for the fast, efficient cleaning and descaling of metal parts, cooling coils, steam cleaning plant and so on. For this type of descaling, the fluid is left in contact with the scaled metal for just long enough to release the scale. Immediately after treatment, the metal parts should be well rinsed with clean water.

Lav-Brite is useful for the ultrasonic cleaning and descaling of many kinds of metal parts during various manufacturing or reconditioning processes. For this type of application the fluid may be diluted with up to 10 equal volumes of water, depending on the type of work involved.

### **HEALTH & SAFETY**

IRRITANT. UN No 1789 CONTAINS HYDROCHLORIC ACID (10-25%0

R36/38 Irritating to eyes and skin.

S37/39 Wear suitable gloves and eye/face protection.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents.

S2 Keep out of reach of children.

### **CATEGORY**

JANITORIAL

UN

PACKAGING

GROUP

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## **RODUCT SAFETY DATA SHEET**

### **(1) IDENTIFICATION**

Product: LAV-BRITE  
Code: JALA/B  
Supplier: Starbrite Chemicals, X L House, Rutherford Way,  
Crawley, West Sussex RH10 2PB  
Tele: 01293 434250  
Fax: 01293 434252

### **(2) COMPOSITION/INFORMATION ON INGREDIENTS**

Hydrochloric acid	5-10%
Corrosion inhibitor	0-1%
Surfactant	0-1%

Active content: 8% nominal

### **(3) HAZARDS IDENTIFICATION**

EYE CONTACT: Will cause severe irritation and damage.  
SKIN CONTACT: Will cause irritation.  
CONTACT WITH RESPIRATORY SYSTEM: Not a hazard in normal use. Breathing fine mist may cause irritation.  
FLAMMABILITY: Not combustible.  
OTHER: Contact with hypochlorite (bleach) liberates toxic chlorine gas. Do not mix this product with any other preparation.

### **(4) FIRST AID MEASURES**

EYE CONTACT: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance at once.  
SKIN CONTACT: Remove contaminated clothing. Wash skin with water and seek medical attention if irritation persists.  
INHALATION: If fine mist is breathed remove to fresh air, keep warm and at rest. Seek medical attention immediately.  
INGESTION: Do not induce vomiting. Give 200-300 ml of water to drink and seek medical assistance immediately.

### **(5) FIRE FIGHTING MEASURES.**

Not applicable.  
May produce acidic fumes in fire.

### **(6) ACCIDENTAL RELEASE MEASURES**

Take the necessary precautions to prevent contact. Shut off leaks if this can be done without personal risk. Contain the spillage if possible. Keep the area clear. Spread soda ash liberally over spillage. Dilute with a large volume of water and flush to foul sewer.  
Observe Local Authority regulations.

### **(7) HANDLING & STORAGE:**

Store in a cool, dry place, protected from frost and away from alkalis and strong oxidising agents.

### **(8) EXPOSURE CONTROLS/ PERSONAL PROTECTION**

EYE PROTECTION: Chemical splash goggles.  
HAND PROTECTION: Wear impervious gloves.  
BODY PROTECTION: As necessary to prevent contact.  
RESPIRATORY PROTECTION: Not a hazard in normal use. Use in a well ventilated area with properly adjusted equipment. Avoid breathing vapour/spray.  
OTHER PROTECTIVE MEASURES: Not applicable.

### **(9) PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear, pale red-brown liquid.  
Odour: Almond  
pH 1% in water (typical) 1.8  
Boiling point: 100 oC  
Melting point: Not applicable.  
Flash point: None.  
Auto-ignition temp: Not applicable.  
Explosive properties: Not applicable.  
Oxidising properties: None.

Vapour pressure: 17.5 mm Hg at 20 oC  
Relative density at 20 oC (typical): 1.032  
Solubility: Miscible with water.

Viscosity: Free flowing.

### **(10) STABILITY AND REACTIVITY**

Hazardous reactions: Incompatible with strong oxidising agents, strong acids and alkalis. Do not mix with other products.

Hazardous decomposition products: None known.

Hazardous polymerisation: Will not occur.

Stability: Stable.

### **(11) TOXICOLOGICAL INFORMATION**

Eye contact: Will cause severe irritation and damage.

Skin contact: Will cause irritation.

Inhalation: Not a hazard in normal use. Breathing fine mist may cause irritation of the respiratory tract.

Ingestion: Moderate toxicity. Will cause severe irritation of gastro-intestinal tract due to acidity

Long term: Ingredients are not mutagenic or carcinogenic.

### **(12) ECOLOGICAL INFORMATION**

Do not allow this product to enter water courses untreated.

### **(13) DISPOSAL CONSIDERATIONS**

Consult national and local regulations. Dispose via a reputable chemical waste contractor.

### **(14) TRANSPORT INFORMATION**

Not classified for transport.

### **(15) REGULATORY INFORMATION**

Occupational exposure limits:

Hydrogen chloride 5ppm

(STEL 10 minutes)

Irritant.

### **(16) OTHER INFORMATION**

It is for the users to satisfy themselves of the suitability of this product for their own applications.

This information is believed to be accurate at the time of printing and is given in good faith.

Date of issue: July 1995