



# HUGH CRANE

— Cleaning Equipment Limited —

South Walsham Road, Acle, Norwich NR13 3ES

Telephone: 01493 750072 Fax: 01493 751854

Email: sales@hughcrane.co.uk

Website: www.hughcrane.co.uk

Ali-Brite  
SDS Review Date 04/11/2020  
Printed 11/11/2020

## PRODUCT INFORMATION SHEET

### ALI-BRITE

#### HEAVY DUTY ALUMINIUM CLEANER

- DESCRIPTION:** A concentrated acid cleaner containing a blend of phosphoric acid, hydrofluoric acid and surface active agents.
- APPLICATION:** For the removal of dirt, tarnish and oxide film from unpainted aluminium surfaces. Not recommended for use on anodised aluminium.
- METHOD OF USE:** Dilute one part Ali-Brite with up to ten parts water prior to use. The solution should be applied by brush or low pressure spray, starting at the bottom of the vehicle and working upwards. After a suitable contact time, rinse off thoroughly with high pressure water. This product can etch glass, therefore contact with windscreens should be avoided.
- PACK SIZES:** 5 Litre containers  
25 Litre drums  
Please note, un-cleaned empty containers may be regarded as a hazardous waste.

#### TYPICAL CHARACTERISTICS

- Appearance:** A clear liquid with distinctive acid odour.
- pH as supplied :** 1.0
- Relative density:** 1.144 (approx)
- Activity:** Approximately 20%

#### HEALTH AND SAFETY INFORMATION

- This product is toxic and corrosive.
- Contains up to 8% hydrofluoric acid.
- Very toxic by inhalation, in contact with skin and if swallowed.
- Causes severe burns.
- Protective clothing should be worn at all times, including suitable eye/face protection.
- Use only in a well ventilated area.
- In the event of spillage or contact, wash affected area well with plenty of water.
- For eyes, give prolonged irrigation with plenty of water, and seek medical attention immediately.
- This product should not be mixed with and alkali or chlorine based substances.
- In case of prolonged skin contact, Calcium Gluconate gel should be applied to the affected area.

For further information, please refer to our Safety data Sheet.



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## SAFETY DATA SHEET

# ALI-BRITE

### 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

**Product name:** ALI-BRITE  
Heavy Duty Aluminium Cleaner  
**Supplied by:** Hugh Crane (Cleaning Equipment) Limited  
South Walsham Road  
Acle, Norwich  
Norfolk NR13 3ES  
**Telephone:** 01493 750072

**In emergency contact the National Poisons Information Service**

**UK telephone: 0121 507 5122 or 0344 892 0111 Republic of Ireland: 01 809 2166 or 01 809 2566**

### 2. HAZARDS IDENTIFICATION

Very toxic by inhalation, in contact with skin and if swallowed.

Causes severe burns.

Skin burns are slow to heal and need specialist treatment.

See section 4 for safety and first aid information.

#### **Label Elements:**



**Signal Word:** Danger

**Hazard Statements:**  
H301 Toxic if swallowed  
H311 Toxic in contact with skin  
H331 Toxic if inhaled  
H314 Causes severe skin burns and eye damage.

See section 15 for precautionary statements.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredient(s)	EC No,	CAS No.	REACH No.	Classification EC 1272/2008	Notes	Conc. %
Hydrofluoric Acid	231-634-7	7664-39-3		H301 Acute Tox 1 H331 Acute Tox 3 H314 Skin Corr 1A H314 Eye Dam 1		1-10 %
Phosphoric Acid	231-663-2	7664-38-2		H314 Skin Corr 1B		1-10 %
Non-Ionic Surfactant	N/A	68439-45-2		H319 Eye Irrit 2		1-10 %

### 4. FIRST AID MEASURES

#### **General Information:**

In case of accidents get medical attention immediately.  
Keep affected person under observation for any symptoms.  
The effects of exposure may be acute and delayed.

#### **Medical Symptoms**

##### **Mouth and throat:**

Burning sensation.

##### **Respiratory system:**

Upper respiratory irritation (symptoms may be delayed for several hours).

##### **Digestive system:**

Gastrointestinal symptoms including upset stomach.

##### **Eyes:**

Extreme irritation, burning and tearing.

##### **Nose and mucous membranes:**

Extreme irritation due to vapour.

##### **Skin:**

Severe irritation. Reddened skin if chemical is not removed by washing. Later, white and wrinkled skin without pain, often with delayed skin burns. Delayed deep muscle ache ("deep bone"). Skin burns are slow to heal and require specialist medical treatment. Subcutaneous tissue can become blanched and bloodless, gangrene of exposed areas may follow. Hydrofluoric acid can cause sclerosis of the bones.

#### **SPECIFIC NOTES FOR HYDROFLUORIC ACID (HF)**

##### **Inhalation:**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Keep affected person under observation for any symptoms. The effects of exposure may be acute and delayed.

##### **Ingestion:**

If swallowed, even in small quantities, effects may be fatal. Obtain immediate medical attention. If possible, give repeated doses of calcium gluconate tablets in water. If



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**Eye contact:**

unavailable, give milk or water to drink. DO NOT INDUCE VOMITING. If confined to the mouth, give water as a mouth wash, ensuring that none is swallowed.

**Skin contact:**

Promptly wash the eye thoroughly with plenty of clean water, with eyelids open, for at least 15 minutes. Obtain medical treatment. Continue to wash with 0.9% saline soln. or water. Instil several drops of calcium gluconate 10% soln. Treat symptomatically. Wash immediately with plenty of water. Remove contaminated clothing. Continue to rinse for at least 15 minutes, and seek medical attention. Apply calcium gluconate gel on and around the burn. Continue to massage in the gel until 15 minutes after the burn has subsided. Skin burns are slow to heal.

## **5. FIRE FIGHTING MEASURES**

Product is non-flammable. However, hazardous decomposition products released at high temperature may include corrosive and toxic gases/vapours/fumes of hydrogen fluoride (HF), and phosphoric acid mist.

## **6. ACCIDENTAL RELEASE MEASURES**

DO NOT TOUCH SPILLED MATERIAL. Wear protective suit, boots, gloves, and eye/face protection. In the absence of adequate ventilation, breathing apparatus may be required. Contain spillages with sand or other absorbent media. Neutralise residues with soda ash or lime. Small spillages and residues may be flushed away with plenty of water. Do not allow product to enter water courses, nor to contaminate soil or vegetation.

## **7. HANDLING AND STORAGE**

**Handling:**

Wear protective clothing for prolonged exposure and/or high concentrations. Use only in a well ventilated area. Avoid breathing vapour/spray. Always prevent any skin or eye contact.

**Storage:**

Keep out of the reach of children. Store upright in the container provided, away from thoroughfares to prevent accidental damage. Keep between 0° and 40°C. Do not store near strong oxidising agents, e.g. bleach, nor strongly alkaline materials.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Component	8 hour TWA	S.T.E.L. (15min)
Phosphoric Acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>
Hydrofluoric Acid (Hydrogen Fluoride)	1.8 ppm	3 ppm.

## **RECOMMENDED SAFETY EQUIPMENT:**

**Eye protection:**

Safety goggles or face shield.

**Hand protection:**

Impervious neoprene or PVC gloves.

**Skin protection:**

Appropriate clothing to prevent contact.

**Respiratory protection:**

Approved RPE required if vapour levels exceed exposure limit or if acidic mists are present.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Clear liquid

**Odour:**

Slight, characteristic

**pH value:**

1.0

**Flash point:**

Not applicable

**Relative density:**

Approx. 1.15 @ 20°C (water = 1.00)

**Water solubility:**

Miscible

## **10. STABILITY AND REACTIVITY**

**Stability:**

Stable under normal conditions of storage and use.

**Hazardous reactions:**

Reactions with metals liberate hydrogen gas, and possibly nitrogen oxides. May react with organic materials, strong bases, and oxidising agents.

## **11. TOXICOLOGICAL INFORMATION**

Very toxic by inhalation, in contact with skin and may be fatal if swallowed.

Destructive to the mucus membranes and upper respiratory tract.

Causes severe burns. Skin burns are slow to heal and need specialist treatment.

Subcutaneous tissue can become blanched and bloodless and gangrene of the exposed areas may follow.

Fluorine poisoning is demonstrated by sclerosis of the bones.

Effects of exposure may be delayed for several hours.

## **12. ECOLOGICAL INFORMATION**

Harmful to aquatic organisms in high concentrations due to effects of low pH.

This product does not contain any PBT or vPvB substances.

Product is biodegradable, soluble and will disperse in soil and water.



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### 13. DISPOSAL CONSIDERATIONS

Surplus material should be disposed of through a licensed waste operator.

### 14. TRANSPORT INFORMATION

**UN Proper Shipping Name:** Corrosive liquid, toxic, n.o.s. (contains hydrofluoric acid)

**Hazard Classes:**



**Transport Class:** 8 (6.1)  
**U.N. No:** 2922  
**Packing Group:** II  
**Tunnel Code:** E  
**Transport Category:** 2

### 15. REGULATORY INFORMATION

**User notes:** The use of this product requires a formal COSHH assessment, which should ensure that employees are aware of the hazards/precautions detailed in this data sheet, that the recommended safety equipment is available and that the exposure limits are not being exceeded.

**Precautionary statements:**  
P260: Do not breathe vapours/spray  
P262: Do not get in eyes, on skin or on clothing  
P301+310+331: IF SWALLOWED: Immediately call a doctor/physician. Do NOT induce vomiting  
P302+352: IF ON SKIN: Wash with soap and water  
P304+313: IF INHALED: Get medical advice/attention  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so – continue rinsing

### 16. OTHER INFORMATION

The contents of hazardous ingredients listed in section 3 are expressed as a percentage range of active matter calculated on a weight/volume basis unless otherwise specified.

The ingredients used in this product, where applicable, are registered under the REACH system with the European Chemicals Agency (ECHA).

**Legal disclaimer:** The foregoing information is based on the state of our knowledge and experience of the product and the various ingredients used in the preparation. It is given in good faith but no warranty is implied. Buyers must satisfy themselves as to the suitability of the product and take responsibility for making their own assessments.

**Date of SDS issue:** 23rd November 2016  
**SDS Reviewed:** 4<sup>th</sup> November 2020.

**End of Safety Data Sheet**