



SAFETY DATA SHEET
BLACKFAST 451 ALUMINIUM CONDITIONER

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Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: BLACKFAST 451 ALUMINIUM CONDITIONER

Product code: 451

Use of substance / preparation: Preparation of aluminium surface for chemical blacking

Company name: Blackfast Chemicals Limited

78 Coombe Road

New Malden

Surrey

KT3 4QS

United Kingdom

Tel: +44 (0) 20 8336 2900

Fax: +44 (0) 20 8336 0909

Emergency tel: +44 (0) 7985 975545

Email: sales@blackfast.com

2. HAZARDS IDENTIFICATION

Main hazards: Causes severe burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Workplace exposure limit: This substance does not have a workplace exposure limit.

PBT: This substance is not identified as a PBT substance.

Directive 1999/45/EC: This preparation meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM HYDROXIDE 30-50%

EINECS: 215-185-5 CAS: 1310-73-2

[C] R35

- ZINC OXIDE 1-10%

CAS: 1314-13-2

[N] R50/53

4. FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Transfer to hospital for specialist examination. Transfer to hospital for specialist examination.

[cont...]

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: SODIUM HYDROXIDE
UK - 15 min. STEL: 2 mg/m³

- ZINC OXIDE
UK - 8 hour TWA: 5 mg/m³
UK - 15 min. STEL: 10 mg/m³

Engineering measures: Ensure there is exhaust ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Impermeable gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**State:** Liquid**Colour:** Pale yellow**Odour:** Perceptible odour**Solubility in water:** Soluble**Relative density:** 1.5**pH:** 12.5-14**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Sources of ignition.**Materials to avoid:** Metals.**11. TOXICOLOGICAL INFORMATION****Acute effects:** Causes severe burns.**11. TOXICOLOGICAL INFORMATION (SYMPTOMS)****Skin contact:** Severe burns may occur.**Eye contact:** Corneal burns may occur. May cause permanent damage.**Ingestion:** Corrosive burns may appear around the lips.**Inhalation:** There may be shortness of breath with a burning sensation
in the throat.**12. ECOLOGICAL INFORMATION****Mobility:** Soluble in water.**Persistence and degradability:** Not biodegradable.**Bioaccumulative potential:** No data available.**Other adverse effects:** Toxic to aquatic organisms. Harmful to soil organisms.**PBT identification:** This substance is not identified as a PBT substance.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Transfer to a suitable container and arrange for collection
by specialised disposal company.**Waste code number:** 11 01 11**Disposal of packaging:** Arrange for collection by specialised disposal company.**NB:** The user's attention is drawn to the possible existence of
regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION**

ADR / RID

UN no: 1760	ADR Class: 8
Packing group: III	Classification code: C9
Shipping name: CORROSIVE LIQUID, N.O.S.	
Labelling: 8	Hazard ID no: 80

**IMDG / IMO**

UN no: 1760	Class: 8
Packing group: III	EmS: F-A,S-B
Marine pollutant: .	Labelling: 8

IATA / ICAO

UN no: 1760	Class: 8
Packing group: III	Packing instructions: 818(P&CA); 820(CAO)
Labelling: 8	

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.
Dangerous for the environment.



Risk phrases: R35: Causes severe burns.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
S28: After contact with skin, wash immediately with plenty of water

Haz. ingredients (label): Contains <40% Sodium Hydroxide and <10% Zinc Oxide

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

* indicates text in the SDS which has changed since the last revision.

Risk phrases used in s.3: R35: Causes severe burns.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.