



SAFETY DATA SHEET

ALI-BRIGHT

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Compilation date: 21/10/2014

Revision date: 09/12/2021

Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: ALI-BRIGHT

CAS number: Blend

Product code: 028A

Synonyms: ALUMINIUM CLEANER HIGH CONCENTRATE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: DO NOT USE THIS PRODUCT WITHOUT A FLUORIDE FIRST AID KIT, AND SOMEONE TRAINED TO USE IT. A blend of acids and other cleaners to remove tarnish and rust stains from aluminium

1.3. Details of the supplier of the safety data sheet

Company name: Multex Chemicals Ltd.

Multex House

Cannon Street

HULL

East Yorkshire

HU2 OAB

Tel: 01482 320432

Fax: 01482 321777

Email: info@multexchemicals.co.uk

1.4. Emergency telephone number

Emergency tel: 01482 320432

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314; Acute Tox. 2: H310; Acute Tox. 3: H301+H331

Most important adverse effects: Toxic if swallowed or if inhaled Fatal in contact with skin. Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H301+H331: Toxic if swallowed or if inhaled

H310: Fatal in contact with skin.

H314: Causes severe skin burns and eye damage.

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Hazard pictograms: GHS05: Corrosion

GHS06: Skull and crossbones



Signal words: Danger

Precautionary statements: P320: Specific treatment is urgent (see supplemental first aid instruction on this label).

P260: Do not breathe vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P310: Immediately call a POISON CENTER.

P361+P364: Take off immediately all contaminated clothing and wash it before reuse.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308: IF exposed or concerned:

P315: Get immediate medical advice/attention.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container to a licensed waste contractor.

2.3. Other hazards

Other hazards: DO NOT USE THIS PRODUCT WITHOUT A FLUORIDE FIRST AID KIT READILY AVAILABLE, AND SOMEONE TRAINED TO USE IT.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ORTHOPHOSPHORIC ACID - REACH registered number(s): 01-2119485924-24-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-633-2	7664-38-2	-	Skin Corr. 1B: H314	1-10%

[cont...]

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HYDROFLUORIC ACID - REACH registered number(s): 01-2119458860-33-XXXX

231-634-8	7664-39-3	-	Acute Tox. 2: H330; Acute Tox. 1: H310; Acute Tox. 2: H300; Skin Corr. 1A: H314	1-10%
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C9-C11 ALCOHOL ETHOXYLATE WITH 6.5MEO - REACH registered number(s): EXEMPT

-	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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2-BUTOXYETHANOL - REACH registered number(s): 01-2119475108-36-XXXX

203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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Contains: Solvent

Nonionic surfactant

Section 4: First aid measures

4.1. Description of 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. Massage Calcium Gluconate gel into any area of contact even if no pain is apparent. Continue for at least 15 minutes. Consult a doctor. Transfer to hospital if there are burns or symptoms of poisoning. Launder clothing before re-use.

Eye contact: Seek Immediate Medical attention Remove Contact Lenses. Bathe the eye with running water for 15 minutes. Treat with several drops of sterile Calcium Gluconate solution. Transfer to hospital for specialist examination.

Ingestion: Get immediate medical attention Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Give Calcium Gluconate tablets dissolved in water, unless the patient is unconscious. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: Absorption through the skin may be fatal. Pain at the point of contact is not immediate, but may be delayed by several hours. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur.

Eye contact: Immediate action is necessary Corneal burns may occur. There may be severe pain. The eyes may water profusely. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose. Onset of symptoms may be delayed by a few hours.

[cont...]

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Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Delayed effects can be expected after short-term exposure. Symptoms of poisoning may only appear several hours later.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Use the following antidotes: Calcium gluconate. A decontamination shower should be available on the premises. Eye bathing equipment should be available on the premises. Keep under medical supervision for at least 24 hours.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes. Toxic.

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point. Turn leaking containers leak-side up to prevent the escape of liquid. Remove all incompatible materials as outlined in section 10 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: DO NOT TOUCH SPILT MATERIAL! Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS. Neutralise with lime or chalk. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Dispose of as Toxic waste. Wash the spillage site with large amounts of water.

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6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS. Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Always handle with care. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Store container upright. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC14: Metal surface treatment products, including galvanic and electroplating products.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	7.6 mg/m3	-	-

Hazardous ingredients:

ORTHOPHOSPHORIC ACID...100%

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m3	2 mg/m3	-	-

HYDROFLUORIC ACID...100%

UK	1.5 mg/m3	2.5 mg/m3	-	-
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2-BUTOXYETHANOL

UK	25 ppm	50 ppm	-	-
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DNEL/PNEC Values

Hazardous ingredients:

2-BUTOXYETHANOL

Type	Exposure	Value	Population	Effect
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DNEL	Dermal	89 mg/kg day	Workers	Systemic
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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Gas/vapour filter, type E: sulphur dioxide and other acid gases (EN141).

Hand protection: Impermeable gloves. Rubber gloves. Neoprene gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand. If there is a risk of splashes Face-shield.

Skin protection: Impermeable protective clothing. Protective clothing with elasticated cuffs and closed neck. Rubber boots.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Relative density: 1.09

pH: Strongly acidic

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces.

10.5. Incompatible materials

Materials to avoid: Glass. Finely powdered metals. Bleach Products

[cont...]

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of hydrogen fluoride.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ORTHOPHOSPHORIC ACID...100%

ORL	RAT	LD50	1530	mg/kg
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HYDROFLUORIC ACID...100%

IPR	RAT	LDLO	25	mg/kg
SCU	FRG	LDLO	112	mg/kg

C9-C11 ALCOHOL ETHOXYLATE WITH 6.5MEO

DERMAL	RAT	LD50	>2000	mg/kg
ORL	RAT	LD50	>300<2000	mg/kg

2-BUTOXYETHANOL

DERMAL	RAT	LD50	1100	mg/kg
ORL	RAT	LD50	1300	mg/kg
VAPOURS	RAT	-	11	mg/l

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	INH ING	Hazardous: calculated
Acute toxicity (ac. tox. 2)	DRM	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Absorption through the skin may be fatal. Pain at the point of contact is not immediate, but may be delayed by several hours. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur.

Eye contact: Immediate action is necessary. Corneal burns may occur. There may be severe pain. The eyes may water profusely. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose. Onset of symptoms may be delayed by a few hours.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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Delayed / immediate effects: Delayed effects can be expected after short-term exposure. Symptoms of poisoning may only appear several hours later.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE WITH 6.5MEO

FISH	96H LC50	1-10	mg/l
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2-BUTOXYETHANOL

Daphnia magna	48H EC50	1550	mg/l
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12.2. Persistence and degradability

Persistence and degradability: Biodegradable. Dilution and neutralisation occur rapidly.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to fauna.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Disposal should be carried out only by qualified personnel familiar with the material
Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Clean with water. Dry out. Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN2922

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, TOXIC, N.O.S.

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(Contains Hydrofluoric and Phosphoric acids)

14.3. Transport hazard class(es)

Transport class: 8 (6.1)

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

Phrases used in s.2 and s.3: H300: Fatal if swallowed.

H301+H331: Toxic if swallowed or if inhaled

H302: Harmful if swallowed.

H310: Fatal in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H332: Harmful if inhaled.

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.