

1. Identification of the substance/mixture and of the Company/undertaking

1.1 Product identifier

Product Name: Block Bitz Original RTU

Product Code: BBORTU5L

REACH Registration No.: N/A

1.2 Relevant identified uses

Outdoor surface cleaner/detergent

Uses advised against

Outdoor use only

1.3 Company Details

Company Name: Block Blitz Ltd

Address: Unit 7C Corringham Road Industrial Estate, Gainsborough, Lincolnshire, Britain, DN21 1QB

Telephone: +44 (0) 1302 246451

Email: enquiries@blockblitz.co.uk

1.4 Emergency Telephone Number

+44 (0) 1302 246451 (not 24 hrs.)

2. Hazards Identification

2.1 Classification of the mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 [CLP/GHS]

Classification: Skin Corrosion
(Category 1C)

2.1.2 Classification according to Directives 1999/45/EEC

Classification: Causes severe burns and eye damage (C)

2.2 Labelling

2.2.1 Labelling according to Regulation (EC) 1272/2008[CLP/GHS]

CLP Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage

Precautionary Statements:

P264: Wash hands thoroughly after handling

P280: Wear skin and eye protection

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

P303 + P361 + P353: IF ON SKIN (or hair): Remove /Takeoff immediately all contaminated clothing.
Rinse skin with water/shower

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

P501: Dispose of contents in accordance with local regulations, rinse and dispose of container to appropriate domestic recycling stream

P102: Keep out of reach of children

According to European Directive 67/548/EEC as amended.

Symbol:



Risk Phrases:

R35: Causes Burns

Safety Phrases:

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

S27: Take off immediately all contaminated clothing

S28: After contact with skin, wash with plenty of water

S37/39: Wear suitable gloves and eye protection

S59: Refer to manufacturer on recovery/recycling

S62: If swallowed, do not induce vomiting: seek medical advice and show this document

3. Composition/Information on ingredients

31 Mixtures

EC Classification No 1272/2008

Hazardous Ingredient(s)	Content %	CAS No.	EC No.	REACH Registration No.	Risk phrases
Sodium hydroxide	< 2%	1310-73-2	215-135-5	01-2119457892-27-####	R35

4. First aid measures

41 Description of first aid measures

First aid instructions

If inhaled:	Move person into fresh air, rest and seek medical advice if any ill-effects occur
If on skin (or hair):	Wash affected skin with plenty of water. Wash clothes before reuse
If in eyes:	Immediately wash affected eyes for several minutes under running water with eyelids held open. Remove contact lenses if possible. Consult a physician
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth and throat. Drink 1-2 glasses of water. DO NOT induce vomiting. Consult a physician
Other first aid advice:	If vomiting occurs spontaneously, keep airways clear. Give more water when vomiting stops. Consult a physician

42 Most important symptoms and effects, both acute and delayed

If inhaled:	Inhalation of spray may cause irritation and a burning sensation to mucous membranes and upper respiratory tract. Symptoms may include irritation, coughing and tightness of breath
If on skin (or hair):	Where not washed, exposure may result in redness and itchiness. Burns can occur to skin especially when already sore or dry according to contact time
If in eyes:	Exposure to eyes will result in an immediate burning sensation and intense pain. Permanent damage to the eye can occur if not washed within minutes of exposure
If swallowed:	Ingestion can cause burns to the mouth and gastrointestinal tract

43 Indication of any immediate medical attention and special treatment needed

Medical treatment:	Supportive for burns
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5. Firefighting measures

51 Extinguishing media

Suitable extinguishing media: All extinguishing agents permitted

Unsuitable extinguishing media: None known

52 Special hazards arising from the substance or mixture

Hazardous combustion products: N/A

Other special hazards during fire: None known

53 Advice for firefighters

Protective actions during firefighting: N/A

Other advice: N/A

6. Accidental release measures

61 Personal Precautions

Non-emergency personnel PPE: See section 8.2

Emergency responders PPE: See section 8.2

Controlling risks from accidental release: Keep away from alkaline sensitive materials

Emergency Procedures: Evacuate personnel to safe areas

62 Environmental Precautions

Avoid excessive discharges into the environment (rivers, water courses, soil etc.) Dilute any uncontrolled discharges with water

63 Methods and material for containment and cleaning up of undiluted product

Containing/cleaning up a spill: Wear appropriate PPE. Dilute spillage with lots of clean water and mop. Rinse area and equipment with clean water.

Other information on spill handling: Dispose of spillage contents in a foul drainage system

64 Reference to other sections

References to other sections: See section 8.2 for personal protective equipment
See section 13.1 for disposal considerations

7. Handling and storage

7.1 Personal Precautions

Protective measures:	Ensure adequate ventilation Wear protective equipment (see Section 8.2)
Safe handling recommendations:	Wash hands and exposed skin before meals and after use Wear gloves and eye protection when handling the product
Handling incompatibles:	Alkaline sensitive metals
Reducing environmental risk:	Don't discharge excessive amounts into drains and water courses
Occupational hygiene advice:	Wash hands after using this product and before eating drinking or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage:

Explosive atmospheres formed during storage: N/A

Corrosive conditions during storage: N/A

Flammability during storage: N/A

Incompatible substances or mixtures: May be corrosive to some metal alloys

Evaporative conditions: N/A

Potential ignition sources, including: N/A

Safe storage:

Weather conditions:

Ambient pressure: N/A

Temperature: N/A

Sunlight: N/A

Humidity: Keep sealed.

Atmosphere: N/A

Vibration: N/A

Safe storage:

Ventilation requirements for storage:

Specific designs for storage rooms regulatory or vessels: No specific design criteria on storage areas apart from normal requirements for substances of this type

Quantity limits under storage conditions: N/A

Suitable packaging for the substance: Keep in original container, can be stored in HDPE plastic and PE polythene and stainless steel. Do not place in aluminium

Managing risks during storage:

Controlling effects of ambient conditions:

Do not store outside uncontained

N/A

N/A

N/A

Other advice:

No specific ventilation requirements

No specific design criteria on storage areas apart from normal requirements for substances of this type

N/A

7.3 Specific end use(s)

Uses: Use as an outdoor surface cleaner

8. Exposure controls/personal protection

81 Control Parameters

81.1 Occupational Exposure Standards

Not listed by H&SE (Guidance Note EH40) or ACGIH

Recommended Limits: WEL 12mg/m³ (total mist) (8hr TWA) 6mg/m³ (respirable mist) (8hr TWA)

81.2 DNEL's/PNEC

Exposure route of relevance	DNELs (local effects)			
	Workers		General population	
	Long Term	Acute	Long Term	Acute
Inhalation	12 mg /m ³		12 mg /m ³	

PNEC- Environmental classification not warranted

813 Biological Limit Values: N/A

814 Current recommended monitoring procedures: N/A

815 Air contaminants formed when using the product as intended: N/A

82 Exposure controls

821 Appropriate engineering controls: Handle in accordance with good industrial hygiene

822 Personal Protection Equipment
Eye protection: Where appropriate use safety goggles or alternatively close-fitting eye protection

Face protection: Not required

Hand protection: Use nitrile, latex or rubber gloves, which satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

Other skin protection: Do not wear open footwear, wear rubber/plastic boots, wear suitable clothing to cover exposed skin areas

Respiratory protection: In the case of high mist levels wear suitable respiratory protective equipment e.g. dust mask or respirator, that conforms to national/ international standard, EN143. Recommended filter type P2

Thermal hazards: Not required

Environmental exposure controls: Do not release directly to surface water

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Off white liquid
Physical state:	Liquid
Colour:	White to off-white
Odour:	Minimal
Odour threshold:	Data not available
pH:	13
Melting point:	N/A
Freezing point:	N/A
Initial boiling point:	N/A
Boiling range:	N/A
Flash point:	N/A
Flash point method:	N/A
Evaporation rate:	N/A
Flammability (if solid or gas):	N/A
Upper and lower flammability or Explosive limits:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Relative density:	N/A
Solubility(ies):	N/A
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Explosive properties:	N/A
Oxidising properties:	N/A

92 Other information N/A

10. Stability and reactivity

101 Reactivity

None known

102 Chemical Stability

Product is stable under anticipated storage and handling conditions

103 Possibility of hazardous reactions

None known

104 Conditions to Avoid

None known

105 Incompatible materials

Alkaline sensitive materials

106 Hazardous decomposition products

No known hazardous decomposition products known

11. Toxicological information

111 Information on toxicological effects

Acute toxicity:	N/A
Skin corrosion/irritation:	Classified as corrosive to skin
Serious eye damage/irritation:	Classified as corrosive to eyes
Germ cell mutagenicity:	N/A
Respiratory or skin sensitisation:	May cause respiratory system irritation
Carcinogenicity:	N/A
Reproductive toxicity:	N/A
STOT-repeated exposure:	N/A

112 Other information

No other information

12. Ecological information

121 Toxicity

Not classified as an environmental hazard.

Data has been extrapolated from raw materials. Note that any adverse effects to the environment will derive from short term local changes to pH and negligible increases in salinity. Solution dissociates readily into carbonate, silica and sodium ions in the environment. The ions originally exist in nature, and their concentrations in the environment are dependent on various factors, such as geological parameters, weathering and human activities. Therefore, there is a continuous source of all ions into the environment and have been measured extensively in ecosystems

122 Persistence and degradability

Rapid biodegradation:

In water:

In soil:

In sediment:

Inorganic elements:

Quickly dissociates

Soluble, mobile, ionization/neutralisation

Soluble, mobile, ionization/neutralisation

123 Bio accumulative Potential

Not bio accumulative (inorganic elements that in water dissociate into carbonate, silica and sodium ions, which do not accumulate in living tissues)

124 Mobility in Soil

Neutralised by soil and organic acids, breaks down into natural elements

125 Results of PBT and vPvB Assessment

The solution is not identified as a PBT or vPvB substance

This substance is not considered to be persistent, bioaccumulating and toxic

126 Other Adverse Effects

No other adverse effects are identified

13. Disposal considerations

13.1 Unused or unwanted solution can be discharged through foul drainage system. Solution can be neutralized with acid.

Alkaline resistant containers to be used for contaminated packaging, packaging should be rinsed and recycled where possible.

14. Transport information

141 UN Number

Not regulated

142 UN proper shipping name

Not regulated

143 Transport hazard class(es)

N/A

144 Packing group

N/A

145 Environmental hazards

None

146 Special precautions for user

No special precautions

147 Transport in bulk according to Annex II of MAPOL73/78 and the IBC Code

N/A

15. Regulatory information

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

Water hazard class: WGK 1, VwVwS (Germany)

Ozone depleting substance
(EC No 2037/2000): N/A

Persistent organic pollutants
(EC No 850/2004): N/A

Export and import of dangerous chemicals
(EC No 689/2008): N/A

COMAH/ Seveso II categories or named
substance: N/A

REACH Authorisations and/or Restrictions: N/A

Any other relevant Safety, health and
environmental regulations: N/A

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out

16. Other information

161 Key (or legend):

PPE:	Personal Protective Equipment
IOELV:	Indicative Occupational Exposure Limit Values
TWA:	Time Weighted Average
WEL:	Workplace Exposure Limit
LC50:	Lethal Concentration affecting 50% of a sample population
EC50:	Effective Concentration affecting 50% of a sample population

162 Further Information

1621 To our best present knowledge, the information given is correct and complete as of the date of this document and is given in good faith but without warranty, either expressed or implied, nor do we accept any liability in relation to this information or its use. The user must determine the suitability of the product for the required use. This version of the SDS supersedes all previous versions.

1622 Literature references

†Determined using the CIPAC MT 186 method, Handbook K

European Chemicals Agency:

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

HSE – EH40:2005 Workplace Exposure Limits:

<http://www.hse.gov.uk/pubns/priced/eh40.pdf>

NLM – Toxicology Data Network:

<https://www.nlm.nih.gov/>

Human and Environmental Risk Assessment on Ingredients of Household Cleaning Products:

<http://www.heraproject.com>

SEWRPC Community Assistance Planning Report No. 316:

http://www.sewrpc.org/SEWRPCFiles/Environment/RootRiverWshedRestorationPlan/CAPR-316- APPENDIX-E-DRAFT_05-01-13_MTG-00211016.pdf

Some data has been derived from constituent safety datasheets.

163 Appropriate training for workers:

Training for product handling is recommended

164 Classification method:

CLP classification, CHIP classification