Buckleberry Limited

screen print supply company . . . the complete solution for screen printers

SAFETY DATA SHEET

B – HAZE & STAIN REMOVER

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name B-Haze & Stain Remover

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

Identified uses As a stain remover in printing processes.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Buckleberry Ltd.,
Buckleberry House,
9, Hales Road,
Lower Wortley,
Leeds,
LS12 4PL
0113 279 7779 (8.00 – 16.30)
sales@buckleberry.co.uk

1.4. Emergency telephone number

Emergency telephone Buckleberry Ltd 0113 279 77779 (08.00-16.30)

National emergency telephone number 999 / 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Met. Corr. 1 - H290

Health hazards
Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards
Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
C; R35. N; R50, R51/53. R31

Human health
Corrosive to skin and eyes. Contact with acids liberates toxic gas.

Environmental
The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical
May be corrosive to metals.

2.2. Label elements

B – HAZE & STAIN REMOVER

Pictogram


Signal word Danger

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe vapour/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off 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.
P310 Immediately call a POISON CENTER/doctor.
P390 Absorb spillage to prevent material damage.

Supplemental label information

EUH031 Contact with acids liberates toxic gas.

Contains SODIUM HYPOCHLORITE, SODIUM HYDROXIDE

Detergent labelling 5 - < 15% chlorine-based bleaching agents

Supplementary precautionary statements

P234 Keep only in original container.
P264 Wash contaminated skin thoroughly after handling.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
P406 Store in corrosive resistant/… container with a resistant inner liner.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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SODIUM HYPOCHLORITE **5-10%**

CAS number: 7681-52-9 **EC number:** 231-668-3 **REACH registration number:** 01-2119488154-34-XXXX
M factor (Acute) = 10 **M factor (Chronic) =** 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	C; R34. Xi; R37. N; R50/53. R31

SODIUM HYDROXIDE **5-10%**

CAS number: 1310-73-2 **EC number:** 215-185-5 **REACH registration number:** 01-2119457892-27-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1A - H314	C; R35

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air at once. Keep affected person warm and at rest. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention if symptoms are severe or persist.

Ingestion
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.

Skin contact
Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact
Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

Inhalation
May cause respiratory system irritation.

Ingestion
May cause chemical burns in mouth, oesophagus and stomach.

Skin contact
May cause serious chemical burns to the skin.

Eye contact
Causes severe skin burns and eye damage.

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

Notes for the doctor
No specific recommendations. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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5.2. Special hazards arising from the substance or mixture

Specific hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Chlorine. Hydrogen chloride (HCl). Toxic and corrosive gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate area. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. Do not mix with acid. Contact with acids liberates toxic gas.

Advice on general occupational hygiene

Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class

Corrosive storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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SODIUM HYPOCHLORITE

Chlorine (CAS 7782-50-5) STEL 0.5 ppm (1.5mg/m3)

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m3

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber. Butyl rubber. Chloroprene rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Ensure an eye bath is located nearby. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid.

Colour

Colourless to pale yellow.

Odour

Slight. Chlorine.

Odour threshold

No information available.

pH

pH (concentrated solution): 14

Melting point

Not applicable.

Initial boiling point and range

>100°C @ 760 mm Hg

Flash point

Not applicable.

Evaporation rate

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No information available.

Evaporation factor

No information available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Vapour pressure

<0.01 kPa @ 20°C

Vapour density

>1

Relative density

~ 1.1 @ 20°C

Bulk density

Not applicable.

Solubility(ies)

Completely soluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

Not applicable.

Decomposition Temperature

Not applicable.

Viscosity

Not available.

Explosive properties

Not applicable.

Oxidising properties

Not applicable.

Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Volatile organic compound

This product contains a maximum VOC content of 0 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

The following materials may react strongly with the product: Acids. and liberates toxic chlorine gas

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Will not polymerise.

10.4. Conditions to avoid

In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.

10.5. Incompatible materials

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Materials to avoid

Acids. metal salts. Some metals. Strong oxidising agents. Organic peroxides/hydroperoxides. Ammonium compounds. Organic compounds. Acid anhydrides.

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Chlorides. Hydrogen chloride (HCl).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD50)

Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD50)

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC50)

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Corrosive to skin.

Serious eye damage/irritation

Corrosivity to eyes is assumed.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.

Ingestion

May cause chemical burns in mouth, oesophagus and stomach. Nausea, vomiting.

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Skin contact

May cause serious chemical burns to the skin.

Eye contact

Causes serious eye damage. May cause chemical eye burns.

Acute and chronic health hazards

Swallowing concentrated chemical may cause severe internal injury.

Route of entry

Inhalation Ingestion. Skin and/or eye contact

Target organs

Gastro-intestinal tract Liver Respiratory system, lungs Skin Eyes

Medical symptoms

Chemical burns. Irritation of nose, throat and airway.

SECTION 12: Ecological Information

Ecotoxicity

Not known. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product contains a substance which is very toxic to aquatic organisms. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Acute toxicity - fish

Not known.

Acute toxicity - aquatic invertebrates

Not known.

Acute toxicity - aquatic plants

Not known.

Ecological information on ingredients.

SODIUM HYPOCHLORITE

Acute aquatic toxicity

LE(C)$_{50}$

0.1 < L(E)C50 ≤ 1 0.01 < L(E)C50 ≤ 0.1

M factor (Acute)

10

Acute toxicity - fish

LC_{50}, 96 hours: 0.22-0.62 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC_{50}, 96 hours: 2.1 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 24 hours: 28 mg/l, Desmodesmus subspicatus

Chronic aquatic toxicity

NOEC

0.01 < NOEC ≤ 0.1

M factor (Chronic)

1

12.2. Persistence and degradability

Persistence and degradability

This cleaning preparation does not contain any surfactants. The product contains only inorganic substances which are not biodegradable.

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12.3. Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

The product is partly soluble in water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1719
UN No. (IMDG)	1719
UN No. (ICAO)	1719
UN No. (ADN)	1719

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE & SODIUM HYPOCHLORITE)
Proper shipping name (IMDG)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE & SODIUM HYPOCHLORITE)
Proper shipping name (ICAO)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE & SODIUM HYPOCHLORITE)
Proper shipping name (ADN)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE & SODIUM HYPOCHLORITE)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels

14.4. Packing group

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ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

Yes.

14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Emergency Action Code 2R

Hazard Identification Number (ADR/RID) 80

Tunnel restriction code (E)

Limited Quantity Value (Road): 1 Litre.

Limited Quantity Value (Sea): 1 Litre

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Known

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers.

Classification procedures according to Regulation (EC) 1272/2008

: Calculation method., On basis of test data.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by J Waterfield

Revision date 24/09/2014

Revision 4.0

B – HAZE & STAIN REMOVER

Supersedes date 20/08/2009

SDS number 20968

Risk phrases in full

R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R37 Irritating to respiratory system.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.