

Brakes Thick Bleach - 114698



Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II (453/2010) - Europe

Issue 2
Issue Date 9 May 2017
Replaces Issue 1

1 Identification of the substance/mixture and of the company undertaking*

1.1 Product Identifier

Product Name Brakes Thick Bleach
Product Codes 114698

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

Identified Uses of the substance/mixture Washing and cleaning product. Professional Use.
Uses advised against Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

Manufacturer/Distributor Brakes,
Enterprise House,
Eureka Business Park,
Ashford, Kent, TN25 4AG
Tel. 0845 6069090
Fax. 01233 635072
Web: www.brake.co.uk
email customer.service@brake.co.uk

1.4 Emergency Telephone Number

Customer Enquiries 0345 606 9090 (Office hours 0730hrs to 1800hrs Monday to Friday)

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poison Information Service, where our full product details are held.

2 Hazards Identification*

2.1 Classification of Substance or mixture

Product Definition Mixture

Classification according to Regulation (EC) No. 1272/2008

Physical Hazards No Significant Hazard
Human Health Hazards Skin Irrit 2 – H315
Eye Dam 1 – H318
Environmental Hazards Aqua Acute 1 – H400
Aqua Chronic 2 – H411

2.2 Label Elements

Pictogram(s)



Signal Word

Danger

Hazard Statements

Contains Sodium Hydroxide and Sodium Hypochlorite

H315 Causes skin irritation
H318 Causes serious eye damage
H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.

Response

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 or doctor
P332 + P313 If skin irritation occurs: Get medical advice.

2.3 Other hazards

Other hazards which do not result in classification Not applicable

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3 Composition/Information on Ingredients*

3.2 Mixtures

Product/Ingredient Name	Identifiers Index No/CAS/EC No	%	Classification under Regulation (EC) No. 1272/2008 [CLP]	Type
Sodium Hypochlorite	017-011-00-1 7681-52-9 231-668-3	1-2.5	Skin Corr. 1B (H314) Aquatic Acute 1 (H400) (EUH031)	1
Sodium Hydroxide	011-002-00-6 1310-73-2 215-185-5	0.5-1	Skin Corr 1A (H314)	1, 2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

Type	1	Substance classified with a health or environmental hazard
	2	Substance with a workplace exposure limit
	3	Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
	4	Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

4 First aid measures*

4.1 Description of first aid measures

Eye Contact	Rinse immediately with copious amounts of water for at least 10 minutes, holding the eyelids open. If irritation occurs obtain medical advice.
Inhalation	Remove from source of exposure. Seek medical advice if symptoms persist. Exposure by inhalation is unlikely in normal use.
Skin Contact	Flush contaminated area with running water for 10 minutes, remove any contaminated clothing and launder before re-use. If irritation occurs seek medical advice.
Ingestion	If conscious, remove product from mouth, give casualty a small quantity of water or milk to drink and seek medical advice. Do not induce vomiting
Protection of First Aider	Wear PPE if appropriate (Refer to section 8.2)

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Irritations are the most likely symptoms when there is exposure to skin, eyes and respiratory system. Not considered to cause sensitization. Further important symptoms and effects are so far not known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat according to symptoms (decontamination, vital functions). Toxicological information on components, where available, is given in section 11.

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5 Fire fighting measures

5.1 Extinguishing media

Extinguishing media	Not flammable. Use fire extinguishing media suitable for surrounding fire.
Unsuitable extinguishing media	None known

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	Fire or high temperature may lead to the evolution of Chlorine, Oxides of Chlorine and Hydrogen Chloride

5.3 Advice for fire-fighters

Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear self-contained breathing apparatus and suitable personal protective equipment as appropriate to the surrounding fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray/mist. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Contain contaminated water/fire fighting water.

6.3 Methods and material for containment and cleaning up

Small spill:	Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container.
Large spill	Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. dry sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7 Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with the skin, eyes and clothing. Contaminated surfaces may be extremely slippery. Clean up spillages. Do not allow to dry. Do not eat, drink or smoke in area where material is used or stored.

7.2 Conditions for safe storage, including any incompatibilities

Protect against heat. Store in original labelled containers. Keep container tightly closed, upright and in a cool place. Avoid contact with acids. Protect from freezing.

7.3 Specific end use(s)

Recommendations	Not specific advice available.
Industrial sector specific solutions	Not applicable.

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8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name

Sodium hydroxide

Exposure limit values

EH40 (United Kingdom): STEL: 2mg/m³ (15 minutes)

Derived effect levels

No DNELs available for the mixture.

Predicted effect concentrations

No PNECs available for the mixture.

8.2 Exposure controls

Process conditions

Provide eye-wash stations

Engineering Measures

Wear appropriate PPE if contact is possible. If airborne vapours or mists are generated provide adequate general and local exhaust ventilation to keep exposure below any statutory limits.

Personal Protective Equipment

Respiratory protection:

Not needed in normal use. If vapour/aerosol is created use particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 14387)

Hand protection

Wear chemical resistant protective gloves (EN 374). Review condition of gloves when in use, especially for wear, cuts and breakthrough after prolonged contact. Consult with a supplier of protective gloves for further information or for other tasks.

Eye protection

Not needed in normal use. Wear tightly fitting safety goggles (splash goggles) (e.g. EN 166) if splashing is likely to occur

Body protection:

Not needed in normal use. Wear appropriate clothing to prevent repeated or prolonged skin contact.

General safety and hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

9 Physical & chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Viscous Liquid.

Colour

Pale Yellow

Odour

Chlorine

Odour threshold

Not determined for the mixture.

pH value 20 Deg C

>11

Melting point/Freezing point

Not determined for the mixture.

Initial boiling point and boiling range

Not determined for the mixture.

Flash point

Not determined for the mixture.

Evaporation rate

Not determined for the mixture.

Flammability (solid, gas)

Not flammable.

Burning time

Not determined for the mixture.

Burning rate

Not determined for the mixture.

Upper/lower flammability or explosive limits

Not determined for the mixture.

Vapour pressure

Not determined for the mixture.

Relative density

1.07

Solubility(ies)

Readily soluble in cold and hot water

Partition coefficient: n-octanol/water

Not determined for the mixture.

Auto ignition temperature

Not determined for the mixture.

Decomposition temperature

Not determined for the mixture.

Viscosity

Not determined for the mixture.

Explosive properties

Not explosive

Oxidising properties

Not applicable

9.2 Other Information

No further relevant information available

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10 Stability and Reactivity

10.1 Reactivity	Reacts readily with many inorganic and organic compounds
10.2 Chemical Stability	Decomposes over time. Decomposition rate increases with temperature, exposure to light and drop in pH.
10.3 Possibility of hazardous reactions	Contact with acid liberates toxic gas.
10.4 Conditions to avoid	High temperatures and direct sunlight
10.5 Incompatible materials	Avoid contact with acids, ammonium compounds and organic materials. Contact with metal, especially copper, nickel and iron should be avoided
10.6 Hazardous decomposition products	Chlorine, Oxides of Chlorine and Hydrogen Chloride

11 Toxicology

11.1 Information on toxicological effects

Toxicological data for this mixture is not available as animal toxicity studies have not been carried out. Toxicological data for the raw materials is, where provided by the manufacturer, available on request.

12 Ecological information

12.1 Toxicity

Ecological Toxicity data for this mixture is not available as ecological toxicity studies have not been carried out. Ecological Toxicity data for the raw materials is, where provided by the manufacturer, available on request.

12.2 Persistence and degradability

Conclusion/Summary Any surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

12.3 Bioaccumulative potential

Conclusion/Summary Not determined for the mixture.

12.4 Mobility in soil

Soil/water partition coefficient (KOC) Not determined for the mixture.

Mobility

Not determined for the mixture.

12.5 Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

12.6 Other adverse effects

No known significant effects or critical hazards.

13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.
EWC Code 20 01 29* - detergents containing dangerous substances

Empty packaging recommendation: Dispose of observing national or local regulations. (Can be cleaned with water)
EWC Code 20 01 39

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14: Transport information				
	ADR/RID	€/ADNR	IMDG	IATA
14.1 UN number			UN 1791	
14.2 UN proper shipping name			Hypochlorite Solution	
14.3 Transport hazard class(es):				
14.4 Packing group			III	
14.5 Environmental hazards			Yes	
14.6 Special precautions for user				
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode				Not Applicable
Other relevant information (ADR)	Hazard ID 80 Tunnel Code €			

15: Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Ingredients according to EC Detergents Regulation 648/2004	
<5%	Chlorine based bleaching agents Anionic surfactants Amphoteric surfactants Perfume
Contains	
15.2 Chemical safety assessment	
A chemical safety assessment has not been carried out on the mixture	

16: Other information	
<i>The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract</i>	
Reason for revision:	* Indicates sections that have been amended.
Full text of the R, H and EUH phrases mentioned in section 3	
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
EUH301	Contact with acids liberates toxic gas
Abbreviations and acronyms	
ATE	Acute Toxicity Estimate
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DNEL	Derived No Effect Level
EUH statement	CLP-specific Hazard statement
N/A	Not Applicable
PNEC	Predicted No Effect Concentration
REACH No	REACH registration number, without supplier specific part