

Brakes 5 in 1 Dishwasher Tablets - A104867



Safety Data Sheet

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

Issue 1
Revision 29 March 2017
Replaces Issue 2T

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

1.1 Product Identifier	Product Name	Brakes 5 in 1 Dishwasher Tablets	
	Product Codes	A104867	
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified Uses of the substance/mixture Dishwash Tablets. Professional Use.		
	Uses advised against	None Identified	
1.3 Details of the supplier of the safety data sheet	Manufacturer/Distributor		
	Brakes, Enterprise House, Eureka Business Park, Ashford, Kent, TN25 4AG	Tel. Fax. Web: email	0845 6069090 01233 635072 www.brake.co.uk 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	Eye irrit 2 – H319
Environmental Hazards	No Significant Hazard

2.2 Label Elements

Label Elements (In Accordance With (EC) No. 1272/2008)

Pictogram(s)



Signal Word	Warning	
Hazard Statements	H319	Causes serious eye irritation
Precautionary statements	P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children
Prevention	P264	Wash hands thoroughly after handling
	Response	H301 + H312
P332 + P313		If skin irritation occurs: Get medical advice/attention
P305 + P351 + P338		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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	
			Regulation (EC) No. 1272/2008 [CLP]	Type
Sodium Carbonate	011-005-00-2 497-19-8 207-838-8	10-30	Eye Irrit. 2 (H319)	1
Sodium Percarbonate	N/A 15630-89-4 239-707-6	10-25	Oxid. Solid 2 (H272) Acute Tox. 4 (H302) Eye Damage 1 (H318)	1

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	Wash with plenty of water and seek medical advice if any irritation persists.
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. Irritation is 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.

5 Fire fighting measures

5.1 Extinguishing media

Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog
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	During fire toxic gases, CO and CO ₂ are formed

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.

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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:	Sweep up material and place in an appropriate waste disposal container for disposal according to local regulations (see section 13).. Wash affected area with water.
Large spill	Prevent entry into sewers, water courses, basements or confined areas. Sweep up material and place in an appropriate waste disposal container. Wash affected area with water 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. Keep away from 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	Exposure limit values
Contains no ingredients with set exposure limits	

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 when opening tubs and dispensing tablets. If airborne dusts 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 dust is created use particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 14387)

Hand protection

Not needed in normal use. Wear suitable protective gloves for prolonged or repeated exposure.

Eye protection

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

Body protection:

Not needed in normal use. Body protection may be suitable depending on activity and possible exposure, e.g. apron, chemical-protection suit (meeting EN 14605).

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	Tablet
Colour	White with blue flecks
Odour	Citrus
Odour threshold	Not determined for the mixture.
pH value 20 Deg C	10.4-10.8 @ 1%
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	0.980-1.140 Kg/L
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	None

9.2 Other Information

No further relevant information available

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10 Stability and Reactivity	
10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability	Stable mixture under normal conditions or storage and use.
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur in normal storage conditions.
10.4 Conditions to avoid	None known in normal storage conditions.
10.5 Incompatible materials	Will react with acids.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

14: Transport information				
	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	None	None	None	None
14.2 UN proper shipping name	Not Required	Not Required	Not Required	Not Required
14.3 Transport hazard class(es):	Not considered to be hazardous for transport			
14.4 Packing group	Not Required	Not Required	Not Required	Not Required
14.5 Environmental hazards	None	None	None	None
14.6 Special precautions for user	None known	None known	None known	None known
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode				Not Applicable
Other relevant information (ADR)	Not Applicable			

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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

>30	Phosphates
5-15%	Oxygen based bleaching agents
<5%	Non-Ionic Surfactants Polycarboxylates, Phosphonates
Contains	Perfumes (limonene) Enzymes (protease, amylase)

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

16: Other information

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

Reason for revision: Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II
* Indicates section(s) where changes have been made

Full text of the H and EUH phrases mentioned in section 3

H319	Causes serious eye Irritation
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H318	Causes serious eye damage

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