

SAFETY DATA SHEET

Calgonit /Finish/Neophos Powerball 4-in-1 tabs

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1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	Calgonit/Finish/Neophos Powerball 4-in-1 Extra Power Calgonit/Finish/Neophos Powerball 4-in-1 Extra Power lemon Calgonit/Finish/Neophos Powerball 4-in-1 Extra Power orange Automatic Dishwashing Detergent Tablet (Domestic Use)
Product Use	
Manufacturer/Supplier	Reckitt Benckiser Produktions GmbH
Address	Dr. Albert-Reimann-Strasse 3 D - 68526 Ladenburg (Neckar)
Phone Number	(+49) 6203 932-0
Fax Number	(+49) 6203 932-219
Emergency Phone Number	Poison information centre, Berlin +(49) 30 19240
Published registration Codes	UBA 0152 0900
Distributor	
Distributor Address	
Distributor Phone Number	
Distributor Fax Number	
TDS-Code	D0023844
Document set up	19.10.2004 (draft)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Components in Product for EC

Component Name	EG-Number	CAS-Number	Concentration	R Phrases	Classification
Sodium Tripolyphosphate	231-838-7	7758-29-4	> 30 %	-	-
Sodium Carbonate	207-838-8	497-19-8	10 – 20 %	R36	Xi
Sodium Carbonate Peroxohydrate	239-707-6	15630-89-4	5 – 15 %	R8, R22, R36/38	O, Xn
Sodium Disilicate	215-687-4	1344-09-8	< 5 %	R37, R38, R41	Xi
Aliphatic Alcohol, alkoxylated	n.a.	Trade secret	< 5 %	R50	N
Zinc Sulphate	231-793-3	7733-02-0	< 0.25 %	R36/38, R50/53	N
Protease	232-752-2	9014-01-1	< 1%	R42, R41, R37/38	Xn
Amylase	232-565-6	9000-90-2	< 0.1%	R42	Xn
Other ingredients < 5 %	Polycarboxylates, TAED, Phosphonates, Dyestuff, Fragrance				

Explanation of Risk Phrases allocated to ingredients: see chapter 16

3. HAZARD IDENTIFICATION

Main Hazards	Following 1999/45/EC: R36 Irritating to eyes.
Hazard by Inhalation	Contains Protease. May produce an allergic reaction.

4. FIRST AID MEASURES

First Aid - Eyes	Rinse immediately with plenty of water for 15 minutes (open eyelids). Seek medical advice.
First Aid - Skin	Wash immediately with plenty of water.
First Aid - Ingestion	Do not induce vomiting. Rinse mouth with water. Drink plenty of water. Seek medical advice.
First Aid - Inhalation	If adverse effects after breathing dust: fresh air.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not combustible. All technics can be used.
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin and eyes. Avoid inhalation of dust.
Spillages	Avoid creating a dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal. Dispose accordingly to the local obligations. Remaining residues could be rinsed using plenty of water.

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7. HANDLING AND STORAGE

Handling	Careful handling of chemicals is required as in general.
Storage	Keep locked and dry. Avoid temperatures above 40 °C and direct sunlight.
Storage Classification	Germany (VCI-concept): 13

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General Remark	Do not grind the product. Good ventilation/removal of dust required.
Respiratory Protection	Dust respirator if conditions are dusty, e.g. P3.
Hand Protection	PVC or rubber gloves. Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 2.
Eye Protection	Close fitting safety goggles, e.g. DIN 234/Roth.
Body Protection	No specific equipment for protection required.
Notice for domestic users	The recommendations for personal protection given in this section of the safety data sheet are relevant for handling and usage of a huge amount of unpacked material only.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Tablet
Colour	White. Blue. Green. Red.
Odour	Perfumed.
pH (as is)	n.a.
pH at 10 % w/w in water	9.3 - 10.5
pH at 1 % w/w in water	9.3 - 10.5
Solubility in Water (kg/m3)	250 g/l (20 °C, turbid liquid)
Density (g/L)	20 – 22 g/tabs

10. STABILITY AND REACTIVITY

Conditions to Avoid	The temperature of the product should not exceed 40 °C for a long time. If product shipped very long distances in bulk temperature control at 30 °C should be applied. Avoid direct sunlight.
Materials to Avoid	Product develops heat and releases CO ₂ if contacts with acids.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral LD50 (rat) > 2000 mg/kg (based on raw materials).
Irritancy – Eyes	Irritating to eyes.
Inhalation	Contains Protease. May produce an allergic reaction by inhalation of uncoated enzymatic matter.

12. ECOLOGICAL INFORMATION

General Remarks	Because of pH-change danger for aquatic life possible. The surfactants incorporated complies a biodegradability/elimination rate of at least 90 %.
Further ecological information:	Indication of danger to water: - Germany: WGK = 2 (for bulk material). Not applicable for domestic type pack sizes.

13. DISPOSAL

Product Disposal	Disposal should be in accordance with local, state or national legislation, e.g. to landfill.
Container Disposal	Cleaned to recycling, landfill or incinerator.
Waste Material Code EU:	20 01 29

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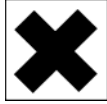
14. TRANSPORT INFORMATION

General remarks

Not classified as dangerous under transport regulations.
See chapter 10 for long distance transport of bulk material.

15. REGULATORY INFORMATION

Labelling Information



Irritant

R phrases

R36 Irritating to eyes.

S phrases

S2 Keep out of reach of children.

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

S46 If swallowed seek medical advice immediately and show this container or label.

S35 This material and its container must be disposed of in a safe way.

Contains Protease. May produce an allergic reaction.

Further information

Recommendation for

disposal of packaging

Packaging to be recycled only if emptied completely !

EC Annex I Classification

Xi – Irritant

Classification following

1999/45/EC

16. OTHER INFORMATION

Safety data sheet referring to

91/155/EC, 93/112/EC and 2001/58/EC

MSDS first issued

8.10.2004 (draft)

MSDS data revised

n.a.

Reason for revision

n.a.

Explanation of Risk Phrases and Symbols allocated to ingredients (see chapter 2)

Not classified as dangerous.

No riskphrase required.

O – Oxidizing

R8 Contact with combustible material may cause fire.

Xn – Harmful

R22 Harmful if swallowed.

R42 May cause sensitisation by inhalation.

Xi – Irritant

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R38 Irritating to skin.

N - Dangerous to the environment

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Footnote

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Safety data sheet compiled by: Reckitt Benckiser, Regulatory, Safety & Environmental Services Dishwashing
Benckiserplatz 1, D-67059 Ludwigshafen

Tel: +49 621 59146-378, Fax: +49 621 59146-398 ,Contact: Dr. Gerd Hüttmann