

Calblock+

starter kit & Replacement cartridge

DMZ ACQUA S.r.l.

Revision n. 01
Revision date: 06/06/2016

Safety data sheet

1 IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product identifier

Commercial name CalBlock+

Chemical name SODIUM METAPHOSPHATE

Product code [CAL400] 484000008900 - [CAL100] 484000008901 - [CAL200] 484000008906 - [CAL500] 484000008905
[CAL300] 484000008899 - [CAL600] 484000008904 - [CAL700] 484000008903 - [CAL800] 484000008898
[CAL900] 484000008902 - [CAL440] 484000008911 - [CAL110] 484000008912 - [CAL330] 484000008910
[CAL660] 484000008913 - [CAL220] 484000008915 - [CAL550] 484000008914 - [CAL770] 484000008944
[CAL880] 484000008942 - [CAL990] 484000008943

CAS: 10361-03-2

EC No: 233-782-9

Index No: --

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

Raw material for Industrial uses [SU3]
industrial applica-
tions

uses advised Do not use for purposes other than those listed
against

1.3 Informations of the safety data sheet of the supplier

Company name Polifil Srl

Via Stoppani 12

22032 Albese con Cassano (Co)

Tel +39 031 4295883

www.polifil.it

1.4 Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 6.

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product IS NOT CLASSIFIED dangerous under the provisions laid down in Regulation (EC) 1272/2008 (CLP) (and subsequent amend-
ments)

2.1.1 Classification according to Regulation (CE) N. 1272/2008:

Not dangerous

2.2 label elements

Labeling according to Regulation (CE) n. 1272/2008 [CLP]

hazard pictograms: -

Warning: -

Hazard statements : -

safety advice : -

Additional information on hazards (EU) : not applicable

2.3 Other hazards

Risk of bone or dental fluorosis

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Conc. %	REACH	Index	CAS	EINECS	Classification	Concentration limits specific, factors M
Sodium metaphosphate	100	--	--	10361-03-2	233-782-9	--	--

4. FIRST AID MEASURES

4.1 Description of first aid measures

General informations: no special measures required .

In case of skin contact : rinse immediately with plenty of soap and water.

In case of contact with eyes : rinse them with water for a sufficient length of time and under the eyelids.

If swallowed : drink a lot of water.

if inhaled no likelihood of exposure.

4.2 Most important symptoms and effects , both acute and delayed

Contact with the eyes produces redness

4.3 Indication of any immediate medical attention and special treatment

In case of accident or discomfort consult a physician (if possible show this safety data sheet)

5. FIRE FIGHTING MEASURES

5.1 Extinguishing

Extinguishing Media : Water , foam, CO2 or powder.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None in particular

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautions , protective equipment and procedures in case of emergency

Avoid coming into contact with the product without PPE.

6.2 Environmental precautions

Avoid spilling of the product.

6.3 Methods and materials for containment and cleaning

Collect avoiding dust formation.

6.4 Reference to other sections

Refer to paragraphs 8 and 13 for more information

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with the product . At work do not eat or drink.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

7.3 Specific end uses

See section 1.2

7 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

General limit of exposure to dust, TRGS german 900 (2006) 3 mg/m³ measured as part alveolar capillary.

8.2 Exposure controls

Eye protection : safety glasses with side protection for chemical products (EN166).

Skin protection : normal work clothing .

Hand protection : normal work gloves (EN347).

Respiratory protection : dust mask .

Thermal Hazards : Not applicable .

Environmental exposure controls : follow general hygienic measures for handling chemicals .

Appropriate engineering controls: ensure adequate ventilation in the workplace .

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Key informations about physical and chimica property

a) appearance:	solid white/trasparent
b) smell:	odorless
c) olfactory threshold	Not available
d) pH	ca. 5,7 10 °C (10 g/l)
e) Melting point / freezing point	449.85 °C
f) Initial boiling point and boiling range	Not applicable
g) flammability point	Not inflammable
h) Evaporation rate	Not applicable
i) flammability (solid,gas)	Not inflammable
j) upper limits / lower flammability or explosive	Not applicable
k) Vapor pressure	Not applicable
l) Vapor density	non applicabile
m) Relative density	2.58 @ 20.5 °C
n) Solubility	Very soluble
o) distribution coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	
r) viscosity	Not applicable
s) Explosive properties	Not explosive
t) Oxidant properties	It doesn't react with fuels

9.2 Other informations

No fact available

10 STABILITY AND REACTIVITY

10.1 Reactivity

None

10.2 Chemical stability

Stable under recommended storage and handling

10.3 Possibility of hazardous reactions

Not dangerous reactions known

10.4 Conditions to avoid

None

10.5 Incompatible material

None

10.6 Hazardous decomposition products

Stable product under normal conditions of use

11 TOXICOLOGICAL INFORMATIONS

a) Acute toxicity:	Oral: LD50 2000 mg/kg (ratto)
b) Irritation/corrosion skin:	mildly irritating
c) Serious eye damage / eye irritation :	not irritating
d) respiratory or skin sensitization :	Do not cause sensitization
e) Germ cell mutagenicity :	Irrelevant
f) carcinogenicity :	Irrelevant
g) Toxicity for the breeding:	No fact available
h) Specific target organ toxicity (STOT):single exposure	No fact available
i) Specific target organ toxicity (STOT) : repeated exposure	no fact available
j) Danger Aspiration :	No fact available

12 ECOLOGICAL INFORMATIONS

12.1 Toxicity

Endpoint: LC50: > 100 mg/l - Durata: 96 h

12.2 Persistence and degradability

Not available

12.3 Potential for bioaccumulation

Not bioaccumulative

12.4 Mobility in ground

Not available

12.5 Evaluation results PBT and vPvB

No PBT or vPvB

12.6 Other adverse effects

None

13 WASTE DISPOSALS

13.1 Waste treatment methods

The residual product should be disposed of in compliance with the Directive on waste 2008/98 / EC as well as national and regional standards

14 TRANSPORT INFORMATIONS

14.1 UN number	Not classified
14.2 UN shipment name	Not classified
14.3 Warning class/es related to transport	Not classified
14.4 Packing group	Not classified
14.5 Environmental hazards	No
14.6 Special precautions for user	Not classified
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not relevant information

15 REGULATORY INFORMATIONS

15.1 Laws and regulations on health, safety and specific for the substance or mixture

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, labeling and packaging of substances and mixtures , as amended

Legislative Decree 9 April 2008 no. 81 Implementation of Article 1 of Law August 3, 2007 , n . 123 concerning the protection of health and safety in the workplace . 2008 Official Gazette No. SO 108 , 30 April 2008 , as amended

15.2 Chemical Safety Assessment

Chemical Safety Assessment is not required .

16 OTHER INFORMATIONS

16.1 laws and regulations on health, safety and specific for the substance or mixture

a) Changes to previous version

First edition

b) Key to abbreviations and acronyms used

ADR: European Agreement concerning the international road transport of dangerous goods .

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification , Labeling, Packaging.

DNEL: Derived level without effect.

EINECS: European Inventory of Existing Commercial Chemical Substances European .

IATA: Association for international air transport.

IMDG: International Maritime Code for Dangerous Goods .

LC50: Lethal concentration to 50 percent of test population .

LD50: Lethal dose to 50 percent of test population .

PNEC: Predicted No-Effect Concentration .

RID: Regulations concerning international carriage of dangerous goods by rail .

STE: Short- term exposure

STEL: Short Term Exposure Limit .

STOT: Organ - specific toxicity .

TLV: Threshold Limit Value

c) bibliographical references and the main data sources : SDS of the supplier

ECHA European Chemicals Agency

d) Evaluation method

Classification

Classification procedure

Not classified as hazardous

e) List of hazard in the section 3









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f) Any appropriate training for workers

Lesson of progress about generic information risks to chemical agents.

Emergency telephone numbers

For urgent safety information call the Anti-Poison Center of your country:

	COUNTRY	CUSTOMER SERVICE NR.	ANTI-POISON CENTER NR.
	AUSTRIA	(0043) 050 6700 200	(0043) 01 406 43 43
	BELGIUM	0032 (0)2 263 33 33	(0032) 070 245 245
	CZECK REP.	(00420) 840 111 313	(00420) 224 91 54 02
	DENEMARK	(0045) 44880280	(0045) 82121212
	FINLAND	(09) 61336 235	(09) 471977
	FRANCE	(0033) 0892 700 150	(0033) 01 40 05 48 48
	GERMAN	(0049) 0711 93533655	(0049) 0761 19240
	GREECE	(0030) 2109946400	(0030) 2107793777
	HOLLAND	0031 (0)76 530 6400	(0031) 030 274 8888
	HUNGARY	(0036) 06 40 109 109	(0036) 80 20 11 99
	IRELAND	(00353) 0844 815 8989	(00353) 1 8092566
	ITALY	(0039) 199 580 480	(0039) 02 66101029
	NORWAY	(0047) 22782500	(0047) 22 59 13 00
	POLAND	(0048) 801 900 666	Warszawa: (0048) 22 619 66 54 Gdańsk: (0048) 58 682 04 04 Poznań: (0048) 61 847 69 46 Kraków: (0048) 12 411 99 99
	PORTUGAL	(00351) 707 203 204	(00351) 808 250143
	ROMANIAN	(0040) 0372 117 745	
	RUSSIA	007 (495)745 57 31	
	SLOVAKIA	(00421) 0850 003 007	(00421) 2 54774166
	SPAIN	(0034) 902 203 204	(0034) 915 620 420
	SWEDEN	(0046) 0771 751570	(0046) 08 331231
	SWISS	(0041) 0848 801 005	(0041) 145
	UK	(0044) 0844 815 8989	(0044) 0845 46 47 (0044) 020 7188 0600
	UCRAIN	(00380) 0 800 501 150	