

Toilet Descale Booster Portfolio



PVA Hygiene provides an innovative and sustainable method of cleaning. As the UK's leading manufacturer of water-soluble cleaning products, we cover all areas of commercial cleaning. Over 24 years, we have developed a system using pre-dosed sachets that is straightforward to implement and balances environment diligence with commercial demands. Based in the South West of England, we distribute globally.



This portfolio contains documents relating to PVA Hygiene's TOILET DESCALE BOOSTER.

This unique formulation is contained within a PVOH or paper film that dissolves at the point of use. The sachets are dry, compact and light, they reduce storage space and transportation costs, and heavily reduce the environmental implications often associated with delivering cleaning supplies. The sachets are packed in planet friendly packaging, that can either be composted or recycled, helping you to eliminate single-use plastic from your current cleaning procedure.



CONTENTS:

- 1) Technical Data Sheet.
- 2) Use Solution Health and Safety Summary.
- 3) Product Safety Data Sheet.



PRODUCT DESCRIPTION

Toilet Booster is used in combination with PVA's Toilet Cleaner. It is designed to boost the detergent's scale dissolving properties in areas of exceptionally hard water (greater than 250ppm CaCO₃), or in toilet bowls that have been neglected for long periods.

Sachets are supplied in the following Pack Sizes:-

Pack Size	Sachet Type	Order Code	Outer Packaging
20 * 5g	PVA-OH	B10:20	Pouch
20 * 5g	Paper	PB10:20	Pouch

- Supplied in a convenient water soluble PVA-OH or Paper sachet within a compostable container.
- Good Scale Remover.
- Palm Free.
- Phosphate Free.
- Colour Indicator.

INSTRUCTIONS FOR USE

Part fill a Toilet Descale Booster Bottle (PVA C10) with warm water and add one Toilet Cleaner Sachet (PVA PA8:20/A8:20/Z8:12). Replace the directional cap and ensure the dispense nozzle is in the closed position. Vigorously shake the bottle until the solution colour changes from clear to blue to green. Carefully remove the cap; there will be a slight hiss as CO₂ produced by the effervescence of the sachet contents is released. Add a Toilet Descale Booster sachet and shake again. Once both sachets are dissolved and the solution is green, carefully release the gas via slowly flipping open the directional cap, remove the lid and fill to the 1 litre line with water.

Once mixed the solution should be allowed to stand for 10 to 30 minutes to cool to room temperature, during which time viscosity will develop.

For routine cleaning, flush the toilet, open the dispense nozzle on the duck and squirt around the top of the bowl, directing the jet under the rim. Allow the liquid to run down the bowl into the trap water, where the colour will change from green to a fresh blue. After approximately 5 mins flush to rinse.

For deep cleaning, flush the toilet, use a toilet brush to pump and lower the level of water from the base of the bowl, and use the brush to loosen any debris. Squirt toilet cleaner around the bowl and rim. Allow the liquid to run down the bowl into the water contained in the trap, where the colour will change from a green to a fresh blue. After approximately 5 minutes use a brush to clean around the bowl and in the bottom of the pan, then flush to rinse.

Note: This product should only be used for cleaning toilet bowls and urinals, it is not recommended for toilet seats, or for other bathroom surfaces such as tiles, tile grouting or hand basins.

Note: This product must never be mixed with or be used in conjunction with Bleach; this will produce Toxic Chlorine gas and breathing difficulties.

TECHNICAL DATA SUMMARY

Appearance	Green / Blue Powder
Odour	Pine
Foam	Low
pH of use solution	1.3 – 2.0 
Acid Value	130mg KOH/g
Storage Temperature Range	0°C to +40°C
Shelf Life	Minimum of 2 years under normal conditions of dry storage

EMERGENCY DETAILS

For accident, emergency and health & safety information refer to the Safety Data Sheet for this product.

This product is registered with the UK National Poisons Information Service.

Office Hours Emergency Number +44 (0) 1934 862859

Outside Office Hours: - +44 (0)7967 149256 (This is for health, safety and environmental emergencies only, it is not for general enquires or ordering).

DISCLAIMER

Whilst every effort is made to ensure that the information given in this product information sheet is accurate it is given without guarantee, since the conditions of use are beyond our control.

IDENTIFICATION OF THE MATERIAL	
Product Name	Toilet Descale Booster use solution
Main Use	Toilet cleaning and descaling
Uses Advised Against	Not for Direct Oral Consumption Keep Out of Reach of Children Do not mix with Bleach, this will produce toxic Chlorine gas.
Manufacturer	PVA Hygiene, Unit 6 Havyat Business Park Havyat Road, Bristol, BS40 5PA
Telephone	+44 (0) 1934 862859

PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Viscous Liquid
Colour	Green
pH 	1.3 – 2.0

CLASSIFICATION, PPE, FIRST AID AND DISPOSAL	
Health	In use solutions of Toilet Cleaner with Booster have extreme pH and should be considered corrosive.
Physical	In use solutions of this product have no Physical Classifications
Environmental	In use solutions of this product have no Environmental Classifications
PPE	Gloves for general hygiene, and because of the low pH, eye protection if a risk assessment indicates splashing to eyes is possible.
First Aid	<p>EYES:- May cause serious burns, discomfort and blurred vision Rinse with Plenty of Water.</p> <p>SKIN:- Repeated extended contact may result in skin dryness. Use a suitable re-moisturising cream and get medical attention if symptoms persist.</p> <p>INHALATION:- Unlikely.</p> <p>INGESTION:- A soapy taste may be reported, together with irritation to mouth and GI Tract rinse mouth thoroughly. If concerned seek medical advice Show the label or Safety Data sheet to the Physician.</p>
Disposal	Solutions can be disposed to normal sewers and septic tanks.

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

1.1. Product identifier

Product name : TOILET DESCALE BOOSTER
Product code : PB10:20, B10:20

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use
Use of the substance/mixture : Detergent/Descaler

1.2.2. Uses advised against

Restrictions on use : Not for Oral Consumption, Not for Direct Application to Food Stuffs, Do not mix with Bleach based products.

1.3. Details of the supplier of the safety data sheet

Manufacturer

PVA HYGIENE
UNIT 6 Havyat Business Park Havyat Road
BS40 5PA Bristol – United Kingdom
T +44 (0)1934 862 859
sales@pva-hygiene.co.uk

1.4. Emergency telephone number

Emergency number : 01934 862859 (Office Hours). For Immediate first aid advice in the UK call 111
This product is registered with NPIS in the UK.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] and GB CLP Regulations

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P102 - Keep out of reach of children.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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According to GB and EU REACH and CLP Regulations

contact lenses, if present and easy to do. Continue rinsing.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P402+P404 - Store in a dry place. Store in a closed container.
P501 - Dispose of contents and container to National Regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT
This product does not contain any substances classified as vPvB.
Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP] and GB CLP Regulations
sulphamidic acid; sulphamic acid; sulfamic acid	CAS-No.: 5329-14-6 EC-No.: 226-218-8 EC Index-No.: 016-026-00-0	100	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand. For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove the victim immediately from the source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.
First-aid measures after inhalation	: Unlikely without deliberate abuse. Move the affected person to the fresh air. If unconscious place in recovery position and seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention. If unconscious, place in the recovery position and seek medical advice.

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

Symptoms/effects	: Neat product will cause skin and eye irritation. Dilute in use solutions are unclassified but may cause eye reddening and transient irritation.
Symptoms/effects after inhalation	: Unlikely route of exposure, but inhalation of dilute solution droplets may result in a sore throat. If mixed with bleach based products, Chlorine gas may be produced, check for respiratory disorders.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Unlikely route of exposure without deliberate abuse. If sachets are swallowed they may swell and could block the throat and GI tract. Irritation to the mouth and GI tract could occur, a soapy taste may be reported. Ingestion of diluted solution is unlikely to cause long term harm, but a soapy taste may be reported.

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According to GB and EU REACH and CLP Regulations

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

Rinse with plenty of water. Check for abrasion to the surface of the eye from powder particles. If mixed with bleach based products, Chlorine gas may be produced, check for respiratory disorders.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is not flammable.
Hazardous decomposition products in case of fire : On heating, irritating fumes may be produced.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear protective clothing as described in section 8 of this SDS.
Emergency procedures : Avoid contact with skin and eyes. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Normal use solutions can be disposed to sewers and septic tanks. Large scale spillages or uncontrolled discharges into water systems must be reported to the relevant Environment Agency.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect and place spillage in suitable containers. Seal the containers and apply labelling to identify the material and hazards. For disposal see section 13 of this SDS.
Other information : Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

6.4. Reference to other sections

For further information refer to section 13. See sections 2,8,12,13 &14.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Carefully comply with the instructions for use. Avoid contact with eyes.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : It is essential that sachets are stored in original packaging in a dry non humid area.
Storage conditions : Store in a dry place. Store in a closed container.

7.3. Specific end use(s)

Acid Booster.

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Safety Data Sheet

According to GB and EU REACH and CLP Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

TOILET DESCALE BOOSTER	
United Kingdom - Occupational Exposure Limits	
Remark	Note general inhalable dust WEL of 10mg/m ³ (TWA) and respirable dust WEL of 4mg/m ³ .

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. In normal use eye protection is not required. During manufacture and packing operations, eye protection is recommended. Refer to EN166 to select appropriate level of protection.

8.2.2.2. Skin protection

Hand protection:

During normal use gloves are not required. During manufacture and packing operations, the use of gloves with a breakthrough time >60 minutes is recommended. Refer to EN374 to select appropriate level of protection. Rubber and PVC gloves are recommended. NOTE:- Use of gloves is a good general hygiene practice.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Note:- This would be very unusual in normal use.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid large scale release of undiluted material to the environment.

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According to GB and EU REACH and CLP Regulations

Other information:

The PPE indicated in this document relates to the neat product as supplied and are applicable to all stages of manufacturing, packing, distribution and customer handling. PPE indicated does not relate to use solutions, here use of eye protection can be considered if there is a risk of splashing, also use of gloves represent good hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: white.
Odour	: odourless.
Odour threshold	: No data available
pH	: 1.3 – 2 @ 1%
Relative evaporation rate (butylacetate=1)	: Not applicable.
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not Flammable
Vapour pressure	: Not applicable
Relative vapour density at 20°C	: Not applicable
Relative density	: Not applicable
Density	: $\approx 1.3 \text{ g/cm}^3$
Solubility	: Completely soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not applicable

9.2. Other information

VOC content	: Contains no VOCs
Volatility	: Non Volatile

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Do not mix with other chemicals.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Mixing with Hypochlorite (Bleach) based products can result in the evolution of Chlorine Gas.

10.4. Conditions to avoid

Store away from moisture in a closed container.

10.5. Incompatible materials

Strong bases. Oxidising agents. Mixing with Hypochlorite (Bleach) based products can result in the evolution of Chlorine Gas.

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According to GB and EU REACH and CLP Regulations

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation. pH: 1.3 – 2 @ 1%
Serious eye damage/irritation	: Causes serious eye irritation. pH: 1.3 – 2 @ 1%
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: This mixture is not classified as a carcinogen.
Reproductive toxicity	: This mixture has no reproductive/foetal harm classifications and is not expected to be a risk to expectant mothers.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	Not applicable
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Normal use solutions of this product are not classified for environmental harm.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Not rapidly degradable	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not expected to Bioaccumulate.
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12.4. Mobility in soil

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Additional information	soluble in water
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12.5. Results of PBT and vPvB assessment

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This product does not contain any substances classified as PBT

This product does not contain any substances classified as vPvB.

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According to GB and EU REACH and CLP Regulations

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal of this product must comply with local and national environmental legislation.
Sewage disposal recommendations : Small volumes of use solution can be disposed of to sewage drains.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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Safety Data Sheet

According to GB and EU REACH and CLP Regulations

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : Contains no VOCs

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

GB REACH and CLP regulations.

UK HSE EH40 Publication.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Issued in new format with no change to classification.

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number

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Abbreviations and acronyms:	
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.