



SAFETY DATA SHEET

Revision date 01-Aug-2024

Revision Number 1

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

Product identifier

Product Name BOSTIK SHOWER

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Consumer use

Restrictions on use No information available

Supplier's details

Supplier

Bostik South Africa
1 Beverley Close
Montague Gardens
Cape Town
South Africa
7441
Tel: +27 21 555 7400

Non-Emergency Telephone Number +27 21 555 7400

E-mail address psra.za@bostik.com

Emergency telephone number

Emergency Telephone Tel: +27 21 555 7400

Restrictions on emergency number 8am - 5pm (Monday - Friday)

SECTION 2: Hazards identification

Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

GHS Label elements, including precautionary statements



Signal word Warning

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Hazard statements

Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/clothing and eye/face protection.

Skin

IF ON SKIN: Wash with plenty of water and soap.
If skin irritation occurs: Get medical advice/attention.
Take off all contaminated clothing and wash it before reuse.

Eyes

IF IN EYES: 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.

Other hazards which do not result in classification

Small amounts of acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing.

SECTION 3: Composition/information on ingredients

Substance

Not applicable

Mixture

Chemical name	CAS No.	Weight-%
Triethoxypropylsilane	2550-02-9	1 - <3
Silanetriol, methyl-, triacetate	4253-34-3	1 - <3

SECTION 4: First aid measures

Description of necessary first aid measures

General advice	Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	None known.
Effects of Exposure	No information available.

Indication of immediate medical attention and special treatment needed, if necessary

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Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

Suitable Extinguishing Media Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Full water jet.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Silicon dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Special protective actions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation.

Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for cleaning up Pick up and transfer to properly labelled containers.

Methods for containment Do not scatter spilled material with high pressure water streams.

Other information Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Take off all contaminated clothing and wash it before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feedingstuffs. Protect from moisture.

Recommended storage temperature Keep at temperatures between 10 and 35 °C.

Incompatible materials Strong oxidising agents.

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SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits Small amounts of acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon curing

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Hand protection Wear suitable gloves. Impervious gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Take off all contaminated clothing and wash it before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Paste
Physical state Solid
Colour Clear
Odour Acetic acid
Odour threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	Not applicable
Melting point / freezing point	No data available	No information available
Initial boiling point and boiling range	> 35 °C / 95.0 °F	No information available
Flash point	>= 93 °C / 199.4 °F	CC (closed cup)
Evaporation rate	No data available	No information available
Flammability	No data available	No information available
Upper/lower flammability or explosive limits		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	No information available
Relative vapour density	No data available	No information available
Relative density	No data available	No information available
Solubility(ies)		
Water solubility	Insoluble in water	No information available
Solubility in other solvents	No data available	No information available

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Partition coefficient	No data available	No information available
Autoignition temperature	No data available	No information available
Decomposition temperature	No data available	No information available
Kinematic viscosity	No data available	No information available
Dynamic viscosity	No data available	No information available

Other information

Explosive properties	No information available
Oxidising properties	No information available
Density	0.90 - 1.10

SECTION 10: Stability and reactivity

Reactivity	Product cures with moisture.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	None known based on information supplied.

Section 11: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Redness. May cause redness and tearing of the eyes.
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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	29,955.90 mg/kg
ATEmix (dermal)	>5000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-vapour)	>20 mg/l
ATEmix (inhalation-dust/mist)	>5 mg/l

Component Information

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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triethoxypropylsilane	>5510 mg/Kg (Rattus) (OECD 401)	-	-
Silanetriol, methyl-, triacetate	LD50 = 1600 mg/kg (Rattus) OECD 401	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Triethoxypropylsilane (2550-02-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal	0.5 mL	4 hours	Irritant

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

SECTION 12: Ecological information

Ecotoxicity

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Silanetriol, methyl-, triacetate	EC50 (72h): >500 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) >500 mg/l (Brachydanio rerio)	EC50 (48h) >500 mg/l (Daphnia magna)

Persistence and degradability No information available.

Bioaccumulative potential

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Component Information

Chemical name	Partition coefficient
Triethoxypropylsilane	3.1
Silanetriol, methyl-, triacetate	-2.4

Mobility in soil No information available.

Other adverse effects No information available.

SECTION 13: Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

SECTION 14: Transport information

IMDG Not regulated

IATA Not regulated

ADR Not regulated

SECTION 15: Regulatory information

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

National regulations

South Africa - Occupational Injuries and Diseases - Chemical Agents Not applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Directive 2011/65/EU (EU RoHS 2), as amended by the Delegated Directive (EU) 2015/863 (EU RoHS 3)

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

SECTION 16: Other information

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Prepared By Product Safety & Regulatory Affairs
Revision date 01-Aug-2024
Revision note No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend **SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Disclaimer

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End of Safety Data Sheet