



MATERIAL SAFETY DATA SHEET

VERSION 2 - CLP-GHS CLASSIFICATIONS (EC) No. 1272/2008



Ref: 057 – AQUEOUS WATERSEAL:

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **AQUEOUS WATERSEAL – ready to use**
- 1.2 Applications:** Water based treatment protecting exterior masonry from penetrating damp.
- 1.3 Supplier:** Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 1YA
Tel: 0151 486 6101; Fax 0151 448 1982
e-mail: sales@palacechemicals.co.uk; web: www.palacechemicals.co.uk
- 1.4 Emergency Telephone No.** Tel: 0151 486 6101 – Mon-Fri: 0800 - 1800

2. HAZARDS IDENTIFICATION:

Classification:
(EC 1272/2008) Not subject to any Hazard classification under CLP

2.2 Label elements:

Key Word: n/a
Hazard statements: EUH208 - Contains: Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 1,2-benzisothiazol-3(2H)-one & 2-Bromo-2-nitro-1,3-propanediol. May cause an allergic reaction. EUH211- Warning - Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.' H320 – Causes eye irritation

Precautionary statements: Keep out of the reach of children
Avoid breathing spray
Wear protective gloves/protective clothing/eye protection/face protection
IF IN EYES: Call a doctor/physician
This material and its container must be disposed of in a safe way.

2.3 Other hazards: Inhalation of aerosol spray may damage health.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.2 Mixtures: **AQUEOUS WATERSEAL**
Polydimethylsiloxane with amino alkyl groups, emulsified in water

Name:	CAS / EC No.:	Concentration:	Classification:
Alpha-iso-Tridecyl omega hydroxy-polyglycoether	9043-30-5	< 500ppm	H318
Triethoxy(2,4,4-trimethylpentyl)silane	35435-21-3	< 500ppm	H411
1,2-benzisothiazol-3(2H)-one	2634-33-5	< 150 ppm	H302, H317, H318, H330 H400, H411
Bronopol	52-51-7	< 300ppm	H302, H312, H315, H318, H335, H400, H410
3 to 1 CIT / MIT	55965-84-9	< 5.0 ppm	H311, H330, H317, H318, H314, H400, H410

4. FIRST AID MEASURES:

4.1 Description of measures:

- EYE CONTACT:** Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.
- INHALATION:** If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.
- SKIN CONTACT:** Wash off skin with clean running water. Remove and launder heavily soaked clothing which may be in contact with skin.
- INGESTION:** Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.

4.2 Acute & Chronic symptoms:

- Inhalation:** No symptoms anticipated
Ingestion: Irritation of throat & abdominal pain.
Skin contact: No symptoms anticipated
Eye Contact: Irritation and temporary redness.

4.3 Immediate medical attention: Only if ingestion or eye irritation has occurred

5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media: Dry powder; Foam, CO2 – Do not use water jets.
 5.2 Combustion Hazards: NON FLAMMABLE PRODUCT - will not produce noxious, irritating fumes.
 5.3 Advice for fire-fighters: Water based product should not pose any specific risk

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection: Wear personal protective equipment recommended in section 8.
 6.2 Environmental precautions: Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.
 6.3 Spill removal methods: Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for nonhazardous emulsion based coatings – subject to special waste management controls.
 6.4 References to other sections: Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

7. HANDLING & STORAGE:

- 7.1 Safe handling precautions: Wear protective clothing for prolonged exposure and/or high concentrations. Ventilate well, avoid breathing vapours if application method forms a spray mist then use approved respirator if air contamination is above accepted level. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (respiratory protection). Ensure adequate ventilation. Spilled product increases risk of slipping.
 7.2 (a) Safe storage conditions: Store in tightly closed original container. Keep in original container.
 7.2 (b) Incompatible materials: None known – keep container away from direct sources of heat
 7.3 Specific end uses: The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters

Substance:	8 hour exposure limit	15 minute exposure limit	Source. Type
	None applicable	None applicable	

8.2 Exposure controls:

Engineering controls: Provide adequate general and local exhaust ventilation particularly if application creates a spray mist.

Respiratory protections: No specific recommendation is made, but appropriately specified respiratory protection must be used if application creates a spray mist.

Hand protection: Wear elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.



Eye protection: BS 2092 approved safety Goggles should be worn for all applications to help prevent accidental face/eye contact.



Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.



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9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Opaque milky white liquid	Relative density:	1.005 +/- 0.003
Odour:	negligible	Water solubility:	100%
Odour threshold:	Lower	Solubility in oils:	nil
pH:	n/a	Partition coefficient (Kow):	n/a
Flash point:	n/a	Auto-ignition temperature:	n/a
Melting point:	n/a	Decomposition temperature:	n/a
Boiling point:	100°C	Surface tension:	n/a
Evaporation rate:	As per water	Viscosity:	50 – 75 mPa.s
Upper/Lower Flam limits:	n/a	Explosive properties:	n/a
Vapour pressure:	n/a	Oxidising properties:	n/a
Vapour density:	n/a	Particle size:	n/a

10. STABILITY & REACTIVITY:

10.1 Conditions to avoid:	Avoid exposure to extreme temperatures	10.4 Reactivity:	Stable
10.2 Incompatible Materials:	Acids & Oxidising agents	10.5 Chemical reactivity:	Stable
10.3 Decomposition hazards:	Not determined	10.6 Risk of hazardous reaction:	None under normal use.

11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects: This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Routes of exposure:	Inhalation, skin contact and ingestion.	Skin Corrosivity / Irritation:	n/a
Eye damage/irritation:	Burning feeling and temporary redness.	Respiratory/skin sensitisation:	n/a
Reproductive toxicity:	n/a	Germ cell Mutagenicity:	n/a
STOT single exposure:	n/a	Carcinogenicity:	No evidence of carcinogenic properties
STOT repeat exposure:	n/a	Aspiration hazard:	n/a

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	Not determined	12.4 Mobility in soil:	Silicone content absorbed by floating particles.
12.2 Bio-accumulative potential:	Limited	12.5 PBT and vPvB result:	Not Classified as PBT/vPvB
12.3 Persistence & degradability:	The products of hydrolysis are readily biodegradable.	12.6 Other adverse effects:	n/a

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment Methods: Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration. When this product, in its liquid state, as supplied becomes waste it should be disposed of as hazardous waste. Empty used containers should be disposed of as waste code 15 01 10 packaging containing residues of or contaminated by environmentally hazardous substances. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.



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14. TRANSPORT INFORMATION:

Transport Labels: NONE REQUIRED – NOT CLASSIFIED

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
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- 14.1 UN No.:
- 14.2 Proper shipping name:
- 14.3 ADR Packing Group:
- 14.4 Transport Hazard Class:
- 14.5 Environmental hazards.
- 14.6 Hazchem code:
- 14.7 Transport in bulk – IBC code:

15. REGULATORY INFORMATION:

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

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

UK HSE Control of Pesticides Regulations 1986 – HSE No. 8075

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes:

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation:

Dangerous Substance Directive 67/548/EEC.

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), establishing a European

Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well

as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC)

No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures,

amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Regulation (EU) No 528/2012 of the European Parliament - The market and use of biocidal products

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION:

Last revision date: 17th May 2021

SDS No.: 057

List of abbreviations used in this SDS:

CAS	Chemical abstracts service
CLP	Classification, labelling & packaging regulation (EC) No. 1272/2008
DSD	Dangerous substances Directive 67/548/EEC
DPD	Dangerous Products Directive 1999/45/EC
PBT	Persistent, Bio-accumulative & Toxic
REACH	Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006
vPvB	Very Persistent, very Bio-accumulative

References: Volume VII Approved supply list; EH40; Appendix VI; Croner; supplier data sheets

Classification methods:

H Phrases in section 3: H319 – Causes serious eye irritation
H311, H330, H317, H318, H314, H400, H410.

Training for workers:

Disclaimer: The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.