



MATERIAL SAFETY DATA SHEET

VERSION 1 – DPD / 1999 / 45 / EEC



Ref: GP/01 – GRIT PRIME

UFI No. 96J7-V6P6-MU2G-H6KU

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **GRIT PRIME**
- 1.2 Applications:** Adhesion enhancing coating for preparing low porosity & smooth surfaces.
- 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; Fax 0151 448 1982; e-mail: jp@palacechemicals.co.uk

2. HAZARDS IDENTIFICATION:

- 2.1 Classifications:**
(EC) No. 1272/2008
Hazard phrases: EUH208 - Contains: 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.
Signal word: Not applicable
- Precautionary phrases:** P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective clothing, gloves, eye and face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
- 2.2 Other hazards:** 'Warning! Hazardous respirable droplets may be formed when sprayed.
Do not breathe spray or mist.' – This product is not intended for Spray application.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

- 3.1 Substances:** N/A
3.2 Mixtures: Acrylic emulsion, graded fine aggregates, dispersants, thickeners & preservative.

Name:	CAS No.:	EINECS:	Concentration:	Classification:
Styrene Acrylate copolymer	polymeric		10 – 20.0% w/w	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-088-00-6	< 150 ppm	H302, H317, H318, H330 H400, H411
3 to 1 CIT / MIT	55965-84-9	247-500-7 & 220-239-6	< 5.0 ppm	H311, H330, H317, H318, H314, H400, H410
Titanium Dioxide	13463-67-7	236-675-5	< 1.0 % w/w	EUH211, EUH210

4. FIRST AID MEASURES:

- 4.1 Description of measures:**
EYE CONTACT: Immediately wash out the eyes with plenty of water. Seek medical attention if symptoms persist
INHALATION: Remove from exposure. Keep warm and rest.
SKIN CONTACT: Wash the skin with soap and water
INGESTION: Wash out the mouth with water. Do not induce vomiting. Seek medical attention if large amounts ingested
- 4.2 Acute & Chronic symptoms:**
Inhalation: None
Ingestion: None
Skin contact: None
Eye Contact: Eye contact with mixed paste may cause pro-longed irritation.
- 4.3 Immediate medical attention:** See First Aid measures above



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5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media:** Use extinguisher appropriate to the surrounding materials & fire.
- 5.2 Combustion Hazards:** In case of fire use powder, foam, sand and water spray.
- 5.3 Advice for fire-fighters:** Self contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection:** Wear impervious gloves, overalls, eye protection and a dust mask while clearing up the spillage.
- 6.2 Environmental precautions:** Contain and collect the spillage. Do not wash into drains.
- 6.3 Spill removal methods:** Shovel/vacuum up in a manner to minimise dust generation. Do not wash with water - may make the floor very slippery.
- 6.4 References to other sections:** Before attempting any clean-up operation, consult the requirements for protective equipment shown in section 8 of this document.

7. HANDLING & STORAGE:

- 7.1 Safe handling precautions:** Handle in accordance with good safety and hygiene practices. Wear recommended PPE as repeated skin contact should be avoided. Avoid spillages. Use in a well-ventilated area.
- 7.2 (a) Safe storage conditions:** Store in sealed, clearly buckets. Keep out of reach of children in a cool well-ventilated environment, preferably off the ground and out of contact with water. This product must be stored sealed in cool dry conditions and protected from frost & elevated temperatures.
- 7.2 (b) Incompatible materials:** Avoid exposure to frost & elevated temperatures when in storage prior to use
- 7.3 Specific storage conditions:** Not applicable

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters

Substance:	8-hour exposure limit	Type:	Source:
	Not applicable		

8.2 Exposure controls:

- Engineering controls:** Provide adequate ventilation.
- Respiratory protections:** Not essential under normal use
- Hand protection:** Impervious gloves may be needed for sensitised individuals
- Eye protection:** Goggles or eye/face protection is advised where splash risk is evident
- Other Protection:** PVC overalls may be worn and should be laundered immediately after use.
- Hygiene measures:** Contact with skin must be washed off immediately

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Viscous blue liquid	Dry bulk density:	n/a
Odour:	Acrylic	Wet Bulk Density:	1350 g/ltr +/- 50
Odour threshold:	n/a	Solubility in oils:	Insoluble
pH:	9.0 – 10.5	Water solubility:	Soluble
Flash point:	n/a	Auto-ignition temperature:	n/a
Melting point:	n/a	Decomposition temperature:	n/a
Boiling point:	n/a	Surface tension:	n/a
Evaporation rate:	n/a	Viscosity:	n/d
Upper/Lower Flam limits:	n/a	Explosive properties:	Nil
Vapour pressure:	n/a	Oxidising properties:	Nil
Vapour density:	n/a	Particle size:	Up to 0.3mm



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10. STABILITY & REACTIVITY:

10.1 Conditions to avoid:	Frost & high temps during storage	10.4 Reactivity:	Stable
10.2 Incompatible Materials:	Not known	10.5 Chemical reactivity:	Aqueous media
10.3 Decomposition hazards:	Stable	10.6 Risk of hazardous reaction:	Not known

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, ingestion & contact with skin & eyes

Eye damage/irritation:

Direct contact with wet paste may cause minor irritation.

Skin Corrosivity / Irritation:

None

Respiratory/skin sensitisation:

None known

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	Not hazardous to the environment.	12.4 Mobility in soil:	negligible
12.2 Bio-accumulative potential:	Not relevant	12.5 PBT and vPvB result:	Not relevant
12.3 Persistence & degradability:	100% biodegradable.	12.6 Other adverse effects:	Not relevant

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment Methods: To be disposed in accordance with local authority regulations for non hazardous biodegradable waste. Existing EEC, National and Local Regulations must always be complied with.

14. TRANSPORT INFORMATION:

Transport Labels:

This water-based coating is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
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 Special user precautions:			
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.

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.



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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,

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.

15.3 Additional regulatory directives this product has been assessed against:

RoHS – WEEE: Directive 2012/19/EU.

Drug Precursor: Regulation (EC) 111/2005

Explosive Precursor: Regulations (EC) 98/2013 and (EC) 2019/1148 and subsequent amendments

SVHC: NOTE there are no SVHC substances in the product and in its packaging.

Dual use item (Regulation (EC) 428/2009, and its amendments)

Substances that deplete the ozone layer (Regulation (EC) 1005/2009, and its amendments)

POP (Persistent Organic Pollutants) (Regulation (EU) 2019/1021, and its amendments)

Nanomaterials, as defined in Commission Regulation (EU) 2018/1881, and its amendments.

Biocides (Regulation (EU) No 528/2012, and its amendments)

Conflict Minerals (Regulation (EU) 2017/821 on the obligations of importers of tin, tantalum and tungsten, their ores, and gold from conflict-affected and high-risk areas, and its amendments)

PIC (Prior Informed Consent) (Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals, and its amendments)

16. OTHER INFORMATION:

Last revision date: 07-03-21

SDS No. GP/01

UFI No.: 96J7-V6P6-MU2G-H6KU

References: Volume VII Approved supply list; EH40; Croner; Supplier RM safety data sheets

Classification methods:

H phrases in section 2: H301, H314, H315, H318, H317, H330, H400

H phrases in section 3: EUH208, EUH211

Precautionary phrases:

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.