

Ref: 069H – HEAT RESISTANT ADHESIVE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **HEAT RESISTANT ADHESIVE**
- 1.2 Applications:** For fixing tiles on walls and floors surrounding radiant heat sources
- 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:

- 1 Classifications:**
(EC) No. 1272/2008 **Eye Dam. 1; H318 – Skin Irritant. 2; H315**
Hazard phrases: **Skin Sens Cat 1; H317 -STOT SE 3; H335**
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation..



- Signal word:** **DANGER**
- Precautionary phrases:** P102 Keep out of reach of children.
P260 Do not breathe dust.
P264 Wash thoroughly after handling
P280 Wear protective 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.
P313 Get medical advice/attention.
P362 Take off contaminated clothing and wash before re-use
P501a Dispose of contents/container in accordance with local regulations.

- 2.2 Other hazards:** Contact with wet cement, wet concrete or wet mortar may cause irritation, dermatitis or burns.
Contact between cement powder and body fluids (e.g. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns. Contains: Calcium oxide. When mixed with water it will form calcium hydroxide which has a corrosive effect on skin and eyes..

3. COMPOSITION / INFORMATION ON INGREDIENTS:

- 3.1 Substances:** N/A
- 3.2 Mixtures:** A blend of hydraulic binders; polymeric additives and graded silica sands. In accordance with the requirements REACH Annex XVII, art. 47 this blend does not contain quantities of hexavalent chromium > 2 ppm, measured according to EN 196-10

Name:	CAS No.:	EINECS:	Concentration:	Hazard Classification:
Calcium Aluminate cement	65997-16-2	266-045-5	20.0 – 40.0% w/w	None applicable
Portland Cement White (CrVI < 2ppm)	65997-15-1	266-043-4	5.0 – 15.0% w/w	STOT SE 3; H335; Skin Irrit. 2; H315 H317 Skin sens Cat 1; Eye Dam. 1; H318

4. FIRST AID MEASURES:

4.1 Description of measures:

- EYE CONTACT:** Do not rub eye. Rinsing with water whilst keeping the eyelids well open. If irritation persists, consult an eye specialist
- INHALATION:** In case of exposure to high concentrations of dust - Move the affected person away from the contaminated area and into the fresh air If you feel unwell, seek medical advice.
- SKIN CONTACT:** Remove contaminated clothing immediately and wash skin with soap and water.
In case of rashes, wounds or other skin disorders: Seek medical attention.
- INGESTION:** Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Seek medical attention if mouth is inflamed.

4.2 Acute & Chronic symptoms: No specific symptoms or effects have been reported

4.3 Immediate medical attention: See First Aid measures above

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media: Product is non-flammable, although paper sacks & sachets may well smoulder & combust. Use extinguisher appropriate to the surrounding materials & fire.

5.2 Combustion Hazards: Oxides of carbon and paper ash.

5.3 Advice for fire-fighters: None applicable

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal protection: Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Use work methods which minimise dust production.

6.2 Environmental precautions: Contain spillage within a defined area and avoid discharge to watercourses and drains

6.3 Spill removal methods: Ideally use an industrial vacuum cleaner and only brush residues when sprinkled with a dampened absorbent (sawdust or granules) into sealable containers when wearing personal protective equipment and ensuring adequate ventilation is available.

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: Lifting operations of no more than 1 x 20kg sack at a time by a competent operator wearing.

7.2 (a) Safe storage conditions: Store in sealed, clearly marked sacks. 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 in unopened bags in cool dry conditions and protected from excessive draught.

7.2 (b) Incompatible materials: Avoid exposure to moisture when in storage prior to use

7.3 Specific storage conditions: Avoid contact with moisture

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters

Substance:	8 hour exposure limit	Type:	Source:
Portland Cement dust: Respirable	4mg/M3	TWA	EH40
Portland Cement dust: Inhalable	10mg/M3	TWA	EH40

8.2 Exposure controls:

Engineering controls: Provide adequate ventilation and minimise the risk of inhalation of dust by using contained ventilation where practical.

Respiratory protections: In circumstances where dust clouds may form wear a BS rated disposable dust mask for each daily task.

Hand protection: Not essential but general safety gloves are advised for hygiene purposes

Eye protection: Dust proof BS 2092 Goggles or chemical grade visors are also advised wherever there is a risk of dust or paste entering the eyes.

Other Protection: Not applicable to this product.





MATERIAL SAFETY DATA SHEET

VERSION 2 – CLP / EC No. / 1272 / 2008



9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Fine powder	Dry bulk density:	1100 g/ltr
Odour:	Negligible	Wet Bulk Density:	1900 g/ltr +/- 100
Odour threshold:	n/a	Solubility in oils:	Insoluble
pH:	9.5- 11.0 when mixed	Water solubility:	Insoluble
Flash point:	n/a	Auto-ignition temperature:	n/a
Melting point:	1650°C	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:	30 to 250 micron

10. STABILITY & REACTIVITY:

10.1 Conditions to avoid:	Humidity & moisture 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 of dust & contact with eyes all have the potential for minor effects when subject to acute and chronic levels of exposure. Chronic exposure to respirable nuisance dust in excess of occupational exposure limits (see section 8) may cause coughing.

Skin Corrosivity / Irritation:

Not irritating (OECD 405)

Eye damage/irritation:

Not irritating (OECD 405) - Dust may cause slight irritation to the ocular mucous membranes due to the presence of a foreign body or abrasion.

Respiratory/skin sensitisation:

Not applicable

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	The product is not expected to be 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:	After hardening, cement presents no toxicity risks.	12.6 Other adverse effects:	Avoid contamination of watercourses as risks increasing alkalinity

13. DISPOSAL CONSIDERATIONS:

- 13.1 Waste treatment Methods:** To be disposed in accordance with local authority regulations for builders waste. Allow to harden, avoid entry in sewage and drainage systems or into bodies of water (e.g, streams) and dispose of according to the local legislation. Avoid entry into the sewage water system. Dispose of the hardened product as concrete waste. Due to the inertisation, concrete waste is not classed as a dangerous waste.



MATERIAL SAFETY DATA SHEET

VERSION 2 – CLP / EC No. / 1272 / 2008



14. TRANSPORT INFORMATION:

Transport Labels: Dry-pack mortars of this type are 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.

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,

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: 02/01/19

SDS No.: 069H

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; Croner; Supplier RM safety data sheets

H phrases in section 2: H318 Causes serious eye damage. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.

Precautionary phrases in section 2: P102 Keep out of reach of children. P362 Take off contaminated clothing and wash before re-use. P264 Wash thoroughly after handling; P280 Wear protective 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. P313 Get medical advice/attention.; P362 Take off contaminated clothing and wash before re-use; P501a Dispose of contents/container in accordance with local regulations.

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.