



Ref: 046 Heavy Duty Tile Cleaner

CCCN Code: 3402202000

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **HEAVY DUTY TILE CLEANER**
- 1.2 Applications:** Cleaning & wetting agent for ceramic & stone 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 – Mon-Fri: 0800 - 1800

2. HAZARDS IDENTIFICATION:

2.1 Classification: **Skin Corrosion Categories:**
(EC 1272/2008) **Serious eye damage category 1**

2.2 Label elements: **WARNING**
Hazard statements: H315 Causes Skin irritation.
H318 Causes serious eye damage

**DANGER**

Precautionary statements: P264: Wash hands & skin thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301: IF SWALLOWED: Rinse mouth. Do Not INDUCE VOMITING
P302: IF ON SKIN (or hair) wash with plenty of soap & water.
P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337: If skin & eye irritation persists get medical advice/treatment.
P310: Immediately call a doctor / physician
P362: Take off contaminated clothing & wash before reuse.

2.3 Other Hazards: n/a**3. COMPOSITION / INFORMATION ON INGREDIENTS:****3.2 Mixtures:** Solution of surfactants, polar solvent and wetting agents

Name:	CAS No.:	EC No	Concentration:	Classification:
Alcohol ethoxylate	68131-39-5		< 2.0% w/w	H318; H302
Di-propylene glycol mono methyl ether	34590-94-8	252-104-2	< 10.0% w/w	n/a
Ethylene Diamine Tetra Acetate	64-02-8	200-573-9	< 1.0% w/w	H290; H332; H315; H318
Sodium Hydroxide	1310-73-2		< 1.0% w/w	H314; H318
Sodium Lauryl Ether Sulphate	68585-34-2	n/a	< 5.0% w/w	H316; H319
2-methylisothiazol-3(2H)-one	2682-20-4	220-239-6	< 50ppm	H301, H330, H318, H314, H400, H411, H317
1,2-Benzyl Isothiazolinone	2634-33-5	220-120-9	<25ppm	H302; H315; H318; H317; H400

4. FIRST AID MEASURES:**4.1 Description of measures:**

- EYE CONTACT:** Bathe eyes in running water for 15 minutes.
- INHALATION:** Irritation by inhalation of vapours is unlikely
- SKIN 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.
- INGESTION:** Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting.
Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet



4.2 Acute & Chronic symptoms:

Inhalation: Not applicable

Skin Contact: Skin Contact may cause mild irritation & redness if unattended.

Eye Contact: Eye contact may cause redness and transient pain.

Ingestion: Ingestion may cause irritation of the throat.

4.3 Immediate medical attention: Not applicable

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2 Combustion Hazards: Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.

5.3 Advice for fire-fighters: In combustion emits toxic fumes wear self-contained breathing apparatus & protective clothing for skin & eyes

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal protection: Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions: Do not allow spill to enter drains or watercourses. Absorb bund and scrape spillages onto sand, sawdust or absorbent granules.

6.3 Spill removal methods: Absorb wet product and remove it by mechanical means or wash fresh spills with water & detergent

7. HANDLING & STORAGE:

7.1 Safe handling precautions: Avoid direct contact with the product.

7.2 (a) Safe storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.2 (b) Incompatible materials: n/a

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: Workplace exposure limits are not applicable to this product>

8.2 Exposure controls:

Engineering controls: Ensure there is sufficient ventilation of the area.

Respiratory protections: Respiratory protection is not required.

Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact. The availability of an eye bath or eyewash is also advised

Skin protection: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately





9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Clear liquid	Relative density:	1.06 +/- 0.05 @ 20°C
Odour:	Lemon	Water solubility:	Soluble
Odour threshold:	N/D	Solubility in oils:	Miscible
pH:	10.5 – 11.5	Partition coefficient (Kow):	N/D
Flash point:	N/A	Auto-ignition temperature:	N/D
Melting point:	N/D	Decomposition temperature:	n/d
Boiling point:	N/A	Evaporation rate:	n/d
Evaporation rate:	As water	Viscosity:	250 mPa.s
Upper/Lower Flam limits:	N/A	Explosive properties:	n/d
Vapour pressure:	As water	Oxidising properties:	n/a
Vapour density:	N/D	Particle size:	n/a

10. STABILITY & REACTIVITY:

10.1 Conditions to avoid:	Heat & sources of ignition	10.4 Reactivity:	Stable
10.2 Incompatible Materials:	Oxidising agents & Acids	10.5 Chemical reactivity:	As above
10.3 Decomposition hazards:	Carbon oxides & fine particulates	10.6 Risk of hazardous reaction:	As above

11. TOXICOLOGICAL INFORMATION:

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

Routes of exposure:	Dermal & ingestion	Skin Corrosivity / Irritation:	Mildly Irritating to skin
Eye damage/irritation:	May cause redness & pain	Respiratory/skin sensitisation:	None known
Reproductive toxicity:	None known	Germ cell Mutagenicity:	None known
STOT single exposure:	None known	Carcinogenicity:	None known
STOT repeat exposure:	None known	Aspiration hazard:	n/a

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	Negligible eco-toxicity.	12.4 Mobility in soil:	No data available
12.2 Bio-accumulative potential:	No data available	12.5 PBT and vPvB result:	None
12.3 Persistence & degradability:	Biodegradable	12.6 Other effects:	Harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment Methods: Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J L47 of 16/2/2002):

Unused product must be disposed of in accordance with local authority regulations

14. TRANSPORT INFORMATION:

Transport Labels: NOT Classified a hazardous for Transport

Regulatory Code (Land, Sea & Air):

14.1 UN No.:

14.2 Proper shipping name:

14.3 Classification code:

14.4 Class:

14.5 Environmental hazards.

14.6 Special user precautions:

14.7 Transport Category:

14.8 Emergency Action Code

14.9 Hazard Identification Number



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:

This safety data sheet has been prepared in accordance with Commission Regulation (EU) No. 453/2010

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.

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.

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 September 2015

SDS No.: 046

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: EH40 as published
The Chemical (Hazard Information and Packaging for Supply) Regulations 2009 SI 2009/716 (**CHIP 4**)
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 SI 2009/1348 (**CDG 2009**)
Dangerous Goods Emergency Action Code List 2011
Hazardous Waste (England and Wales) Regulations 2005 SI 2005/894 (**HWR**)
The List of Wastes (England) Regulations 2005 SI 2005/895 (**LoWR**)
The Approved Classification and Labelling Guide (sixth edition)
"Registration, Evaluation, Authorisation and Restriction of Chemicals (**REACH**)" 1907/2006/EC
The Classification, Labelling and Packaging Regulation (EC) No. 1272/2008 (**CLP**)

Classification & methods: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

Classification: n/a

H Phrases in section 3: H411 Toxic to aquatic with long lasting effects.
H314 Causes severe skin burns & eye damage
H316 Causes mild skin irritation
H318 Causes serious eye damage
H315 Causes skin irritation
H302 May be Harmful if swallowed

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 91/155/EC.