

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TILE AND LINER CLEANER

Version 3.0

Print Date 2018/10/08

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MSDS code: MYYY816

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : TILE AND LINER CLEANER

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK Limited
Alpha House, Lawnswood Business Park
GB LS16 6QY Leeds

Telephone : +44 (0) 113 3879 200
Telefax : +44 (0) 113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone numberEmergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Skin corrosion/irritation	Category 1A	---	H314

For the full text of the H-Statements mentioned in this Section, see Section 16.


Most important adverse effects

Human Health : See section 11 for toxicological information.

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Physical and chemical hazards : See section 9/10 for physicochemical information.
 Potential environmental effects : See section 12 for environmental information.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols : 

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

Precautionary statements

Prevention : P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage : P405 Store locked up.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
phosphoric acid			

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Index-No.	: 015-011-00-6	>= 10 - < 30	Skin Corr.1B	H314
CAS-No.	: 7664-38-2			
EC-No.	: 231-633-2			
EU REACH- Reg. No.	: 01-2119485924-24-xxxx			

propan-2-ol

Index-No.	: 603-117-00-0	>= 1 - < 10	Flam. Liq.2	H225
CAS-No.	: 67-63-0		Eye Irrit.2	H319
EC-No.	: 200-661-7		STOT SE3	H336
EU REACH- Reg. No.	: 01-2119457558-25-xxxx			

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

CAS-No.	: 68424-85-1	< 1	Acute Tox.4	H302
EC-No.	: 270-325-2		Skin Corr.1B	H314
			Aquatic Acute1	H400
			Aquatic Chronic1	H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures**

If inhaled	: Remove to fresh air. Seek medical advice.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	: Wash off immediately with plenty of water for at least 15 minutes. Consult a physician.
If swallowed	: Rinse mouth with water. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	: Skin contact, There may be irritation and redness at the site of contact. Eye contact, There may be irritation and redness. Inhalation, There may be irritation of the throat with a feeling of tightness in the chest.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	: Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
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TILE AND LINER CLEANER**SECTION 5: Firefighting measures****5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Heating may cause toxic fumes

5.3. Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Further advice : Keep containers cool by spraying with water if exposed to fire

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Prevent unauthorized access. Move away upwind from the hazard source. For personal protection see section 8.

6.2. Environmental precautions

- Environmental precautions : Do not allow to enter drains, sewers or watercourses.

6.3. Methods and materials for containment and cleaning up

- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

- Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

- For personal protection see section 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Advice on safe handling : Ensure adequate ventilation. Avoid formation of aerosol. Handle in accordance with good industrial hygiene and safety practice.

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Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in a cool, well-ventilated place. Keep container tightly closed.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation.

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment*Respiratory protection*

Advice : Use self-contained breathing apparatus.

Hand protection

Advice : Wear suitable gloves.

Eye protection

Advice : Safety goggles
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

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General advice : Do not allow to enter drains, sewers or watercourses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	: Liquid
Colour	: colourless
Odour	: faint
Odour Threshold	: no data available
pH	: 1.1
Freezing point	: no data available
Boiling point	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 1.05 - 1.07
Water solubility	: miscible
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosivity	: no data available
Oxidizing properties	: no data available

9.2. Other information

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No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : Stable under recommended storage conditions.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Conditions to avoid : Heat

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents, Strong acids

10.6. Hazardous decomposition products

Hazardous decomposition products : Heating may cause toxic fumes products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product

Acute toxicity

Oral

no data available

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest.
May cause coughing.

Dermal

no data available

Irritation

Skin

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Result : Skin irritation There may be irritation and redness at the site of contact.

Eyes

Result : Eye irritation There may be irritation and redness.

Sensitisation

no data available

CMR effects

CMR Properties

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive toxicity : no data available

Specific Target Organ Toxicity

Single exposure

no data available

Repeated exposure

no data available

Other toxic properties

Repeated dose toxicity

no data available

Aspiration hazard

no data available

Further information

Other relevant toxicity information : Handle in accordance with good industrial hygiene and safety practice.

Experience with human exposure : Health injuries are not known or expected under normal use.,

SECTION 12: Ecological information

12.1. Toxicity

TILE AND LINER CLEANER**12.2. Persistence and degradability****Data for the product****Persistence and degradability****Biodegradability**

Result : biodegradable

12.3. Bioaccumulative potential**Data for the product****Bioaccumulation**

Result : Bioaccumulation is unlikely.

12.4. Mobility in soil**Data for the product****Mobility**

Result : Adsorbs on soil.

12.5. Results of PBT and vPvB assessment**Data for the product****Results of PBT and vPvB assessment**

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects**Data for the product****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Product	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Dispose of in accordance with local regulations. Dispose of as unused product.
European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Data for the product**

Other regulations : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

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15.2. Chemical safety assessment

no data available

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and Acronyms

BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
PBT	persistent, bioaccumulative and toxic
REACH Auth. No.:	REACH Authorisation Number
REACH AppC. No.:	REACH Application Consultation Number

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PNEC	predicted no-effect concentration
STOT	specific target organ toxicity
SVHC	substance of very high concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
vPvB	very persistent and very bioaccumulative
Further information	

Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.