



MATERIALS SAFETY DATA SHEET

1. Product Identification

Product name: Universal Water Based Sealer

Product type: Liquid

Product description: Water-based solution to protect marble, granite, porous stone and ceramic / porcelain from water and oil.

Prepared by: Tilers Tools, Unit 4a Stretton Distribution Centre, Off Grappenhall Lane, Appleton WA4 4QT, Tel: 01565 344860, Email: sales@tilerstools.co.uk

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2. Hazards Identification

2.1 Classification of the substance according to Regulation EC n. 1272/2008

The product is not classified as dangerous – Irritant Xi; H315.

Dangers for human health:

Skin and eyes irritation.

See section 16 for the complete text of sentence H.

See section 11 for additional information on health effects.

Hazardous indications:

H305 May be harmful if swallowed and if penetrating in breathing ways.

EUH066 repeated exposure may cause skin dryness and cracks.

Prudence recommendations:

P101 Keep far from the reach of children

P210 keep far from heating sources/sparks/free flames. Do not smoke

P280 Wear gloves/protective clothes/protect eyes/face

P301-P310 IN CASE OF INGESTION: immediately call a doctor

P501 Collect the product/container according to Directives.

P207 use only outside or in a well airy ambient.

Indications on precautions:

Prevention:

Wear protective gloves

Protection for eyes and face

Do not eat, drink or smoke during use

Wash hands well after use.

Disposal:

Do not waste residues in the environment.

2.2 Label Indications

Danger labelling in compliance with (CE) 1272/2008 (CLP) Regulation and following modifications and adjustments.



Danger: Irritant.

Risk: H315 causes skin irritation.

Safety: S24/S25 avoid contact with eyes and skin.

S36/S37/S39 wear suitable protective clothes and gloves to protect eyes/face.

3. Composition / Information on the Ingredients

Substances: Not applicable.

Mixtures: No dangerous component according to Regulations. (CE) no. 1907/2006 and (CE) No.453/2010.

4. First Aid Measures

4.1 First aid measured description

In case of contact with the skin: Remove dirty shoes and clothes then safely dispose them. Wash the area with soap and water. Immediately call a doctor in case of irritation, swelling or redness persist. In case of contact with the eyes: Rinse well with water. Call the specialist doctor or local hospital if irritation persists.

4.2 Main symptoms and effects both acute and delayed, see chapter 11

Main symptoms and effects both acute and delayed, see chapter 11:

Skin contact: Redness, irritations.

Eyes contact: Eyes irritation.

4.3 Indication on the eventual necessity of contacting a doctor and special treatments

Follow doctor's instructions.



5. Anti-Fire Measures

The product is not flammable.

6. Accidental Release Measures

6.1 Personal equipment, protective clothing and emergency procedures

Wear suitable protective clothes.

6.2 Precautions for the environment:

Do not pour down drains.

6.3 Methods and materials to collect and clean:

Collect with absorbent materials like sand, sawdust and dispose according to proper rules.

7. Handling and Storage

7.1 Precautions for safe handle

Wear gloves, apron, mask and boots.

7.2 Safe warehouse

Keep container well sealed in a dry place; protect from freeze and avoid temperatures higher than 40°C. Do not keep in warehouse together with acids and strong bases.

7.3 Specific end uses

Anti-stain treatments.

8. Exposure Control and Protection

8.1 Protection

Since the use of suitable technical measures should be first than personal protection equipment, it's necessary to ensure a proper ventilation through the use of a good aspiration device or the polluted air discharge. If these operations do not keep product concentration under minimum exposure values, it will be necessary to wear a suitable breathing apparatus protection. During use, refer to danger label for more details.

Personal protective clothes must be in compliance with the rules here below indicated:

Hands protection:

Protect hands using working gloves, II category. (ref. Directive 89/686/CEE and Rule EN 374) like: PVC, neoprene, nitrile or equivalent. The final choice of the gloves must consider: degradation, breaking time and permeability. In case of mixtures the gloves resistance must be checked before using, it is not foreseeable. Gloves have a wear and tear term that depends on exposure time.

Eyes protection:

Wear sealing protective mask (ref. Rule EN 166).

Skin protection:

Wear long sleeves working clothes and shoes for professional use, II category. (ref. Directive CEE and EN 344 rule). Wash with plenty of water after taking protective clothes off.

Breathing protection:

In case of overcoming of the limit value of one or more substances present in the product, wear a mask with filter A type or the universal type, whose class (1,2 or 3) will be chosen according to the use. (ref. EN 141 Rule). The use of breathing apparatus protections, like mask with filter for organic vapours and powders/fog, it's compulsory in absence of technical measures to limit the worker exposure. The protection given by the mask is limited anyway. If the substance is odourless or in case of emergency (unknown time of exposure or the oxygen level in the ambient is lower than 17%) wear a compressed air auto-breather at open circuit (ref. Rule EN 137) or a respirator with external air outlet for the use with whole mask, semi-mask or nozzle. (Ref. Rule EN 138). If there's the risk to get squirts or sprinkles due to the type of work performed, it's necessary to foresee a suitable mucous protection (mouth, nose, eyes) in order to avoid accidental absorptions.

8.2 Limits of exposure

No substance at exposure limit.

8.3 Exposure control, technical controls

Handle in well ventilated areas.

8.4 Individual protection

Wear gloves and mask, in normal use conditions no vapours are generated.

8.5 Environmental protection

Avoid discharge in sewers.

9. Chemical and Physical Properties

Status: Liquid

Colour: Opalescent

Odour: Typical

Smelling threshold: No data available

pH: Between 6 and 8

Boiling point: 105°C approx.

Fusion point: Not applicable

Flashing point: Not applicable

Ignition temperature: Not determined

Vapours: Not determined

Viscosity: Approx. 15 mPa s

Solubility: Soluble in water

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction in normal conditions of use.



10.2 Chemical stability

The product is stable.

10.3 Possible dangerous reactions

No dangerous reactions detected.

10.4 Conditions to avoid

Contact with acids and strong bases.

10.5 Hazardous decomposition products

Decomposition starts at temperatures higher than 150°C; in normal use conditions no decomposition is detected.

11. Toxicological Information

Acute inhalation toxicity: No relevant data

Acute oral toxicity: LD50 ratto > 5.110 mg/kg

Contact with the skin: May cause irritation

Contact with the eyes: May cause eyes irritation

Ingestion:

No effect on human health linked to the product ingestion has been detected. Use the product according to the instruction.

Ingestion can cause: Gastrointestinal irritation. Symptoms: pain, vomit, nausea and abdomen pain.

Additional toxic information: No particular negative effect has been detected.

12. Ecological Information

There's no information on the product, so use it according to good working procedures, do not waste it in the environment. Absolutely avoid to waste product in the ground or drains. Call authorized companies if the product reaches water drains or in case of ground or flora pollution. Follow all the measures to reduce at the minimum level the effects on water drains.

12.1 Toxicity information

Not available.

12.2 Persistence and degradability information

Not available.

12.3 Potential bio-accumulative information

Not available.

12.4 Mobility in the ground information

Not available.

12.5 Results of PBT and vPvB evaluation information

Not available.

12.6 Additional effects information

Not available.

13. Disposal Considerations

13.1 Waste handling

Re-use, if possible the product. Product residues must be regarded as special dangerous waste. Waste danger that contain this product must be evaluated on the basis of current rules.

13.2 Disposal

Must be performed by company authorized to waste handling, according to national and local current rules. Polluted Packages, Polluted packages must be recovered or wasted in compliance with National rules concerning waste management.

14. Transport

UN Number.: Not ruled

ADR Class: Not ruled

IMO Class: Not ruled

ICAO Class: Not ruled

15. Regulatory Information

Regulation on health, safety and environment specific for the substance:

Regulation CE n. 1907/2006 (Reach), Annex XIV list of substances subject to authorization

Substances SVHC: none

Annex XVII: none.

16. Other Information

16.1 Classification according to Regulation CE 1272/2008

Hazard indications:

- Flam. Liq.2 Flammable liquid, cat. 2
- Acute tox.3 High toxicity, cat. 3
- STOT SE 1 Specific toxicity for target- single exposure, Cat. 1
- Flam.Liq.3 Flammable liquid, cat.3
- STOT SE 3 Specific toxicity for target-single exposure, Cat.3
- Carc. 1B Cancerogenicity, CAT 1 B
- Muta , 1B Mutagenicity on stem cells, cat. 1 B
- Asp. Tox.1 Danger in case of aspiration, cat. 1
- Acute tox.4 High toxicity, cat. 4
- STOT RE 1 Specific toxicity for target- repeated exposure, cat. 1
- Eye Irrit. 2 Eyes irritation, cat.2
- Aquatic Acute 1 Dangerous for fish fauna, high toxicity, cat.1
- Aquatic Chronic 1 Dangerous for fish fauna, high toxicity, cat.1
- H226 Liquid and flammable vapours
- H305 may be harmful if swallowed and by penetrating breathing ways
- H315 causes skin irritation
- H319 Causes eye irritation
- EUH066 Continuous exposure may cause skin dryness and cracks
- R10 flammable
- R11 easily flammable
- R 23/24/25 toxic by inhalation, skin contact, ingestion

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- R36 eyes irritating
- R48/25 toxic: serious healthy damages in case of long exposure by ingestion.
- R50/53 high toxic for aquatic organism, at long term it may cause negative effects for fish fauna
- R65 harmful: if swallowed could cause serious damage to lungs
- R66 continuous exposure may cause skin dryness and cracks
- R67 vapours inhalation may cause sleepiness and giddiness
- R68 possibility of non-reversible effects.

General bibliography:

1. Directive 1999/45/CE and following modifications
2. Directive 67/548/CEE and following modifications
3. Regulation (CE) 1907/2006 of European Parliament (REACH)
4. Regulation (CE) 790/2009 of European Parliament (I Atp. CLP)
5. Regulation (CE) 453/2010 of European Parliament
6. The Merck Index Ed. 10
7. Handling Chemical Safety
8. Niosh- Registry of Toxic Effects of Chemicals Substances
9. INRS – Fiche Toxicologique
10. Patty- Industrial Hygiene and Toxicology
11. N.I. Sax. – Dangerous properties of Industrial Materials – 7 Ed. 1989

User's notes

The information herein contained have been draught on the basis of available knowledge upon data sheet version. The user must make sure of the suitability and completeness of the information referring to the specific use of the product. Do not read this document as warranty of any specific property of the product. Since the use of the product is not under our direct control, it's the user's liability respect current rules in terms of hygiene and safety. We are not held liable for unproper use.