

1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Trade name	Tile Doctor Ultra-Seal
Description	Solvent based premium penetrating sealer. Colourless low viscosity solvent preparation.
Supplier	Tile Doctor® Dryades House, Sylvan Close, Oxted, Surrey, RH8 0DX United Kingdom
In case of emergency	☎ 0800 852 4 852, www.TileDoctor.co.uk



2. COMPOSITION

Components considered to be hazardous and above thresholds of concern as described in Directive 2001/59/EC are listed below.

NAME	EC No	CAS-No	CONTENT	CLASSIFICATION
Naphtha(petroleum),hydrodesulphurised heavy (<0.1% benzene)	265-185-4	64742-82-1	60-95%	Xn;R65.N;R51/53. R10,R66
Stoddard solvent; low boiling point naphtha-unspecified,<0.1% benzene	232-489-3	8052-41-3	1-5%	Xn;R20/21, R65. R10, R66.

The full text of the R Phrases is described in Section 16.

3. HAZARDS IDENTIFICATION

- Flammable.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Harmful: may cause lung damage if swallowed.
- Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION Xn; R65. N; R51/53. R10, R66.

4. FIRST AID MEASURES

GENERAL:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
INHALATION:	Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
INGESTION:	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content does not get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.
SKIN CONTACT:	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
EYE CONTACT:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use high pressure water jet as this may spread burning material.

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS:

Fire emits clouds of smoke which may contain toxic vapours, gases and fumes.

PROTECTIVE MEASURES IN FIRE:

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTION IN SPILL:**

Eliminate all naked flames or other sources of ignition. Do not smoke. Provide adequate ventilation. Cleanup personnel should use respiratory protection, gloves, goggles and protective clothing and footwear.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Do not allow spilled material to enter drains or water courses.
Cover all drains and sewers.
Avoid spreading spilled material.
Prevent further spillage if safe to do so.

SPILL CLEANUP METHODS:

Wear necessary protective equipment. Absorb in vermiculite, sand or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

7. HANDLING AND STORAGE**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS:

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from; Acids. Oxidising material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

NAME	Std	LT-ppm	LT-mg/m3	ST-ppm	ST-mg/m3
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY; (<0.1% benzene)	WEL		1000 mg/m3		

INGREDIENT COMMENTS:

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT:

Engineering Measures:	Provide adequate general and local exhaust ventilation.
Respiratory Equipment:	If ventilation is insufficient suitable respiratory protection must be provided. Seek recommendations and advice from manufacturer or supplier.
Hand Protection:	Avoid prolonged or repeated contact, use suitable protective gloves made of Nitrile. The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests. Seek advice from manufacturer or supplier. Personal hygiene is a factor in effective hand care. Gloves should be worn on clean hands. After using gloves hands should be washed and dried thoroughly and a non-perfumed moisturizer applied.
Eye Protection:	Wear approved safety goggles.
Other Protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygienic Work Practices:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless Liquid	
Odour/Taste	Hydrocarbon	
Boiling point (°C, interval)	150 - 200	Pressure: 760mmHg
Density/Specific Gravity (G/ML):	0.785	Temperature (°C): 15
Vapour Pressure:	<10 mbar	Temperature (°C): 37.8
Viscosity (Interval):	0.85 cSt	Temperature (°C): 25
Solubility Description:	Insoluble in water.	
Flash Point (°C):	> 40	Method: N/A
Auto Ignition Temp.	230	
Flammability Limit - Lower(%):	0.6	
Flammability Limit - Upper(%):	8.0	

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use.

CONDITIONS TO AVOID:

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidizing substances.

HAZARDOUS POLYMERISATION

None Known

HAZARDOUS DECOMP. PRODUCTS:

In conditions of fire or excessive heat gives off toxic fumes and gases, including oxides of carbon and nitrogen and various hydrocarbon fragments.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50:	>2000 mg/kg (oral rat)
TOXICOLOGICAL INFORMATION:	Health effects of this preparation have not been determined. Data given refer to the major component.
INHALATION:	: Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system. Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, in extreme cases resulting in loss of consciousness. Patients should be kept under observation as symptoms may occur well after exposure.
INGESTION:	Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Significant absorption may cause sleepiness, intoxication and pulmonary oedema.
SKIN:	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
EYES:	May cause severe irritation to eyes.
TARGET ORGANS:	Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. This material should not be allowed into drains, sewers or other water courses.
	LC 50, 96 HRS, FISH mg/l: 10
MOBILITY:	The product contains substances, which are insoluble in water and which may spread on water surfaces. Contamination will evaporate from the surface of water and soils.
BIO ACCUMULATION:	Likely to bioaccumulate, but with short retention time in the order of a week or so.
DEGRADABILITY:	Readily Biodegradable.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION:	Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaundered containers must be treated in the same manner as when full; labels should not be removed.
DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements. Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UN No. ROAD:	1300
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR PACK GROUP.:	31°(c)

HAZARD No: 30
 ADR MARGINAL: 2301
 ADR LABEL No.: 3
 HAZCHEM CODE: 3Y
 CEFIC TEC(R) No.: 30G30
 PROPER SHIPPING NAME I: TURPENTINE SUBSTITUTE (white spirit)
 RID CLASS No.: 3
 RID ITEM No.: 31(c)
 UN No. SEA: 1300
 IMDG CLASS: 3.3
 IMDG PAGE No.: 3375
 IMDG PACK GR.: III
 EmS No.: 3-07
 MFAG TABLE No.: See Guide
 MARINE POLLUTANT : Yes.



UN No., AIR: 1300
 ICAO CLASS: 3
 AIR PACK GR.: III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



CONTAINS: Naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene)

RISK PHRASES: R-10 Flammable.
 R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R-65 Harmful may cause lung damage if swallowed.
 R-66 Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES: S-13 Keep away from food, drink and animal feeding stuffs.
 S-2 Keep out of the reach of children.
 S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
 S-37 Wear suitable gloves.
 S-46 If swallowed, seek medical advice immediately and show this container or label.
 S-51 Use only in well-ventilated areas.
 S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
 S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

EU DIRECTIVES: EC Regulation 1907/2006 (as amended) 'REACH'
 Dangerous Substance Directive 67/548/EEC
 Dangerous Preparations Directive 1999/45/EC

STATUTORY: Chemicals (Hazard Information and Packaging for Supply)

INSTRUMENTS: Regulations 2002 No. 1689.
 (CHIP3). Control of Substances Hazardous to Health
 Regulations (as amended).
 (COSHH). Carriage of Dangerous Goods and Use of

**APPROVED CODE OF PRACTICE:
GUIDANCE NOTES :**

Transportable Pressure Equipment Regulations 2007. (CDG 2007)
Classification and Labelling of Substances and Preparations Dangerous for Supply.
Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation
HS(G)37. CHIP for everyone HSG(108).
The storage of flammable liquids in containers HSG51 (HSE 1998)

16. OTHER INFORMATION**INFORMATION SOURCES:**

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE:

Jan 2010 replaces version dated Dec 2007

REV. No./REPL. SDS GENERATED:

001

R-PHRASES (Full Text):

R-10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful may cause lung damage if swallowed.
R-66 Repeated exposure may cause skin dryness or cracking.

Disclaimer

This information relates only to specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the companys knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use.