

SECTION 1

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form: Mixture
Product name: Siloxol Wood & Patio Cleaner

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

1.2.1. Relevant identified uses

Intended for general public
Main use category: Professional use, Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Twistfix LTD
KKM Buildings, Old Reservoir Road, Farlington,
Portsmouth, Hampshire PO6 1SU.
sales@twistfix.co.uk - www.twistfix.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0)345 123 6007

SECTION 2

HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Hazard pictograms (CLP)



Signal word (CLP): Warning

Contains:

Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Hazard statements (CLP):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP):

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear eye protection, protective gloves, protective clothing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

PBT:

not relevant - no registration required

vPvB:

not relevant - no registration required

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	(CAS-No.) 63449-41-2 (EC-No.) 264-151-6 (EC Index-No.) 612-140-00-5	< 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)
2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	(CAS-No.) 90-43-7 (EC-No.) 201-993-5 (EC Index-No.) 604-020-00-6	< 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4

FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

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

No additional information available

SECTION 5

FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6

ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: If spilled, may cause the floor to be slippery. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7

HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures: Wash hands, forearms and face thoroughly after handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products: Keep away from. Oxidizing agent. Strong bases.

Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

See technical instructions for use of this substance/mixture.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Materials for protective clothing: Wear suitable protective clothing and gloves.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Wear appropriate mask

Personal protective equipment symbol(s):



Other information: Do not eat, drink or smoke during use.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state :	Liquid	Vapour pressure :	No data available
Colour :	Colourless.	Relative vapour density at 20 °C :	No data available
Odour :	Disagreeable.	Relative density :	0.98 – 1.02
Odour threshold :	No data available	Solubility :	Miscible in Water.
pH :	6 – 7	Partition coefficient n-octanol/water (Log Pow) :	No data available
Relative evaporation rate (butylacetate=1) :	No data available	Viscosity, kinematic :	No data available
Melting point :	No data available	Viscosity, dynamic :	No data available
Freezing point :	No data available	Explosive properties :	No data available
Boiling point :	No data available	Oxidising properties :	No data available
Flash point :	No data available	Explosive limits :	No data available
Auto-ignition temperature :	No data available		
Decomposition temperature :	No data available		
Flammability (solid, gas) :	Non flammable.		

9.2. Other information

No additional information available

SECTION 10

STABILITY AND REACTIVITY

10.1. Reactivity

Product is non-reactive under normal conditions of use, storage & transport.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

None under normal use. Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

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SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides (63449-41-2)	
LD50 oral rat	390 mg/kg
2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl (90-43-7)	
LD50 oral rat	2733 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 36 mg/l/4h
Skin corrosion/irritation:	Causes skin irritation. pH: 6 - 7

Serious eye damage/irritation:	Causes serious eye irritation. pH: 6 - 7
Respiratory or skin sensitisation:	Not classified*
Germ cell mutagenicity:	Not classified*
Carcinogenicity:	Not classified*
Reproductive toxicity:	Not classified*
STOT-single exposure:	Not classified*
STOT-repeated exposure:	Not classified*
Aspiration hazard:	Not classified*

Potential adverse human health effects and symptoms:
Based on available data, the classification criteria are not met.

*Additional information: Based on available data, the classification criteria are not met

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified
Hazardous to the aquatic environment, long-term (chronic): Not classified

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides (63449-41-2)

LC50 fish 1	0.85 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	0.016 mg/l
EC50 72h algae (1)	0.03 mg/l Selenestrum capriornoutum

2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl (90-43-7)

LC50 fish 1	4 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	2.7 mg/l EC50 48h - Daphnia magna [mg/l]
EC50 72h algae (1)	1.35 mg/l

12.2. Persistence and degradability

Persistence and degradability: Not established.

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides (63449-41-2)

BOD (% of ThOD) > 60 % ThOD OECD 301 D (closed bottle test)

2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl (90-43-7)

Biodegradation: 75 % Over 28 Days. Closed Bottle Test

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl (90-43-7)

Partition coefficient n-octanol/water (Log Pow) 3.18

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

PBT: not relevant - no registration required

vPvB: not relevant - no registration required

12.6. Other adverse effects

Additional information: Avoid release to the environment.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

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SECTION 14 TOXICOLOGICAL INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

	ADR	IMDG
14.1. UN number	Not regulated	Not regulated
14.2. UN proper shipping name	Not regulated	Not regulated
14.3. Transport hazard class(es)	Not regulated	Not regulated
14.4. Packing group	Not regulated	Not regulated
14.5. Environmental hazards	Not regulated	Not regulated

No supplementary information available

14.6. Special precautions for user

Overland transport	Not regulated
Transport by sea	Not regulated

14.7. Transport in bulk according to Annex II of Marpol & the IBC Code

Not applicable

SECTION 15 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Use only in accordance with Statutory Precautions given under the Control of Pesticides Regulations 1986. HSE No. 9453.

SURFACE BIOCIDES FOR AMATEUR AND PROFESSIONAL USE ON EXTERNAL AND INTERNAL HARD SURFACES AGAINST ALGAE, MOULDS, MOSS AND LICHEN.

SECTION 16 OTHER INFORMATION

Data sources:

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.

Other information: None.

Full text of H- and EUH-statements:

		STOT SE 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4		Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Aquatic Acute 1	Hazardous to the aquatic environment Acute Hazard, Category 1	H312	Harmful in contact with skin.
Aquatic Chronic 1	Hazardous to the aquatic environment Chronic Hazard, Category 1	H314	Causes severe skin burns and eye damage.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	H315	Causes skin irritation.
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	H319	Causes serious eye irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2	H335	May cause respiratory irritation.
		H400	Very toxic to aquatic life.
		H410	Very toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II) The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.