

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 1 of 7

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

- **Trade name:** *TECTANE Stone Chip Coating 1 Litre*
- **Application of the substance / the preparation:** *Anticorrosion additive*

· **Manufacturer/Supplier:**

Siroflex Limited
Dodworth Business Park, Dodworth,
Barnsley, South Yorkshire, England, S75 3SP
Tel.: 01226 771600
Fax.: 01226 771601
info@siroflex.co.uk

· **Further information obtainable from:**

www.siroflex.co.uk

2 Hazards identification

· **Hazard description:**



Xi Irritant
F Highly flammable
N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Harmful: may cause lung damage if swallowed.

R 11 Highly flammable.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical characterization**

- **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

| | | |
|--------------------------------------|---|---------|
| CAS: 64742-49-0 EINECS: 265-151-9 | <i>Naphtha (petroleum), hydrotreated light</i> <i>Xn, Xi, F, N; R 11-38-51/53-65-67</i> | 25-50% |
| CAS: 141-78-6 EINECS: 205-500-4 | <i>ethyl acetate</i> <i>Xi, F; R 11-36-66-67</i> | 2.5-10% |
| CAS: 108-88-3 EINECS: 203-625-9 | <i>toluene</i> <i>Repr. Cat. 3;</i> <i>Xn, Xi, F; R 11-38-48/20-63-65-67</i> | 2.5-10% |
| CAS: 64742-95-6 EINECS: 265-199-0 | <i>Solvent naphtha (petroleum), light arom.</i> <i>Xn, Xi, N; R 10-37-51/53-65-66-67</i> | 2.5-10% |
| CAS: 67-56-1 EINECS: 200-659-6 | <i>methanol</i> <i>T, F; R 11-23/24/25-39/23/24/25</i> | ≤ 2.5% |

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

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(Contd. on page 2)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 2 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 1)

4 First aid measures

- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Take affected persons into fresh air and keep quiet.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Immediately remove any clothing soiled by the product.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Additional information:** See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with skin and eyes.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 3)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 3 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 2)

· **Further information about storage conditions:** None.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

141-78-6 ethyl acetate

| | |
|-----|---|
| WEL | Short-term value: 400 ppm Long-term value: 200 ppm |
|-----|---|

108-88-3 toluene

| | |
|-----|--|
| WEL | Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk |
|-----|--|

67-56-1 methanol

| | |
|-----|---|
| WEL | Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk |
|-----|---|

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.

· **Recommended filter device for short term use:** Filter AX

· **Protection of hands:**



Protective gloves

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

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.7 mm

· **Penetration time of glove material**

≥ 60 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

GB

(Contd. on page 4)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 4 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 3)

9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Black
Odour: Solvent-like

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 78°C

· **Flash point:** < 0°C

· **Ignition temperature:** 200°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Density at 20°C:** 1.02 g/cm³

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

· Viscosity:

Dynamic at 20°C: 700 mPas
Organic solvents: 53.6 %

· **Solids content:** 46.4 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:**

Aldehyde
Carbon monoxide and carbon dioxide

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

64742-49-0 Naphtha (petroleum), hydrotreated light

| | | |
|------------|----------|-------------------|
| Oral | LD50 | >2000 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rab) |
| Inhalative | LC50/4 h | >5 mg/l (rat) |

108-88-3 toluene

| | | |
|------------|----------|----------------------|
| Oral | LD50 | 5000 mg/kg (rat) |
| Dermal | LD50 | 12124 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5320 mg/l (mouse) |

64742-95-6 Solvent naphtha (petroleum), light arom.

| | | |
|------------|----------|-------------------|
| Oral | LD50 | >6800 mg/kg (rat) |
| Dermal | LD50 | >3400 mg/kg (rab) |
| Inhalative | LC50/4 h | >10.2 mg/l (rat) |

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** No irritating effect.

(Contd. on page 5)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 5 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 4)

- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
Vapours have narcotic effect.

12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

| | |
|----------|---|
| 08 01 11 | waste paint and varnish containing organic solvents or other dangerous substances |
| 15 01 10 | packaging containing residues of or contaminated by dangerous substances |

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1139
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1139 COATING SOLUTION

· Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1139
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E

(Contd. on page 6)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date: 30.09.2008

Replaces: 01.10.2007

Ref: 0031.5.A/DR

Page 6 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 5)

- **Marine pollutant:** No
- **Proper shipping name:** COATING SOLUTION

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1139
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** COATING SOLUTION

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xn Irritant
F+ Highly flammable
N Dangerous for the environment

- **Risk phrases:**

11 Highly flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe fumes/aerosol.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
33 Take precautionary measures against static discharges.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

10 Flammable.
11 Highly flammable.
23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
36 Irritating to eyes.
37 Irritating to respiratory system.
38 Irritating to skin.
39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(Contd. on page 7)

Safety Data Sheet
according to 1907/2006/EC, Article 31

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Ref: 0031.5.A/DR

Page 7 of 7

Trade name: TECTANE Stone Chip Coating 1 Litre

(Contd. of page 6)

- 63 *Possible risk of harm to the unborn child.*
- 65 *Harmful: may cause lung damage if swallowed.*
- 66 *Repeated exposure may cause skin dryness or cracking.*
- 67 *Vapours may cause drowsiness and dizziness.*

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