

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011








Replaces: 25.02.2010

Ref: 0028.8.A.DR

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

- **Product identifier**
- **Trade name:** *Tectane Brake Cleaner 5l & 30l*
- **Article number:** 5300000-5301000
- **CAS Number:**
64742-49-0
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *Cleaning material/ Detergent*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Siroflex Limited
Dodworth Business Park, Dodworth,
Barnsley, South Yorkshire, England, S75 3SP
-
- Tel: 01226 771600 Fax: 01226 771601*
- **Further information obtainable from:**
info@siroflex.co.uk
www.siroflex.co.uk
- **Emergency telephone number:** *Tel: +49 (0)9366/9071-26 Monday to Thursday 7:15 to 18:00 CET*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  **GHS02 flame**
- Flam. Liq. 2 H225 Highly flammable liquid and vapour.*
-  **GHS08 health hazard**
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.*
-  **GHS09 environment**
- Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.*
-  **GHS07**
- Skin Irrit. 2 H315 Causes skin irritation.*
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  **Xn; Harmful**
- R65: Harmful: may cause lung damage if swallowed.*
-  **Xi; Irritant**
- R38: Irritating to skin.*
-  **F; Highly flammable**
- R11: Highly flammable.*

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 1)



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

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

The substance is classified and labelled according to the CLP regulation.

· **Hazard pictograms**

GHS02

GHS07

GHS08

GHS09

· **Signal word** *Danger*· **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P243 Take precautionary measures against static discharge.

P271 Use only outdoors or in a well-ventilated area.

P260 Do not breathe mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P331 Do NOT induce vomiting.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.* **3 Composition/information on ingredients**· **Chemical characterization: Substances**· **CAS No. Description**

64742-49-0

· **Identification number(s)** 649-328-00-1

(Contd. on page 3)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 2)





· Dangerous components:

CAS: 64742-49-0


EINECS: 265-151-9

Reg.nr.: 01-2119475514-35-xxxx

Naphtha (petroleum), hydrotreated light

 Xn R65;  Xi R38;  F R11;  N R51/53
R67

50-100%

 Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic
Chronic 2, H411;  Skin Irrit. 2, H315; STOT SE 3, H336

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons

≥ 30%

4 First aid measures

· Description of 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.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Do not induce vomiting; call for medical help immediately.
· Information for doctor:
· Most important symptoms and effects, both acute and delayed

Headache

Unconsciousness

· Hazards

Danger of pulmonary oedema.

Danger of pneumonia.

5 Firefighting measures

· Extinguishing media
· Suitable extinguishing agents:

Foam

Fire-extinguishing powder

Carbon dioxide

· For safety reasons unsuitable extinguishing agents: Water with full jet
· Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

· Advice for firefighters
· 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

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 3)

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· Reference to other sections See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions 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.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles: Store in a cool location.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: None.

8 Exposure controls/personal protection

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

· Control parameters

· Ingredients with limit values that require monitoring at the workplace: Not required.

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

· Exposure controls

· 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.

· 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: ≥ 0.45 mm

· Penetration time of glove material

≥ 240 min

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

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Version: 15.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 4)

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Fluid
· Colour:	Colourless
· Odour:	Petrol-like

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 80-110°C

· **Flash point:** <-10°C· **Ignition temperature:** >200°C· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:**

· Lower:	0.8 Vol %
· Upper:	7.7 Vol %

· **Density at 15°C:** 0.707 g/cm³· **Solubility in / Miscibility with**

· water at 20°C:	0.01 g/l
· Organic solvents:	100.0 %

10 Stability and reactivity

· **Reactivity**· **Chemical stability**· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.· **Possibility of hazardous reactions** No dangerous reactions known.· **Hazardous decomposition products:**

Aldehyde
Carbon monoxide and carbon dioxide

11 Toxicological information

· **Information on toxicological effects**· **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)

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 5)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **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

- **Toxicity**
- **Acquatic toxicity:**
No further relevant information available.

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

EC50	1-10 mg/l (daphnia)
------	---------------------

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **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
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 01 04	other organic solvents, washing liquids and mother liquors
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:** 3295
- **Packaging group:** II

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 6)

- **Hazard label:** 3
- **Special marking:** Symbol (fish and tree)
- **UN proper shipping name:** 3295 HYDROCARBONS, LIQUID, N.O.S.
- **Limited quantities (LQ)** LQ4
- **Transport category** 2
- **Tunnel restriction code** D/E

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 3295
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 3295
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.

- **UN "Model Regulation":** UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, II
- **Environmental hazards:**
Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
- **Special precautions for user** Warning: Flammable liquids.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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 phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Date: 17.02.2011

Replaces: 25.02.2010

Ref: 0028.8.A.DR

Trade name: Tectane Brake Cleaner 5l & 30l

(Contd. of page 7)

H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*** Data compared to the previous version altered.**

GB