

EC-Material Safety Data Sheet according 91/155/EWG

Date: 11.04.2008

Replaces: 16.03.2007

Our Ref: 0109.5.A/DR

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1. Chemical product and company identification

Tradename: SX PU Foam Cleaner

Manufacturer/Supplier: Siroflex Limited
Dodworth Business Park, Dodworth, Barnsley
South Yorkshire, England, S75 3SP

Telephone: 01226 771600
Fax: 01226 771601
Emergency information: 01226 771600

2. Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

CAS-Number	EINECS	Hazardous components	Concentr.-%	Symbols	R-phrases
67-64-1	200-662-2	Acetone	75-90	F, Xi	11, 36, 66, 67
106-97-8	203-448-7	Butane	2.5-15	F+	12
74-98-6	200-827-9	Propane	2.5-15	F+	12
124-38-9	204-696-9	Carbon dioxide	0-5		

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

3. Hazards Identification

Hazard description:



Xi Irritant

F+ Extremely flammable

Information concerning particular hazards for human and environment:

R12 Extremely flammable.

R18 In use, may form flammable/ explosive vapour-air mixture.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking.

Keep out of the reach of children.

Classification system:

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

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4. First-aid measures

After Inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor is symptoms persist.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

Rinse opened eye for several minutes after running water. Then consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

5. Fire-fighting measures

Suitable extinguishing agents:

Carbon dioxide

Fire-extinguishing powder

Foam

For safety reasons unsuitable extinguishing agents: Water with full jet

Additional information: Cool endangered receptacles with water spray.

6. Accidental release measures

Person-related safety precautions: Keep away from ignition sources.

Measures for environmental protection: Prevent seepage into sewage system, work pits and cellars.

Measures for cleaning/ collecting:

Ensure adequate ventilation.

Absorb liquid components with liquid-binding material.

7. Handling and storage

Handling:

Information for safe handling:

Keep away from heat and direct sunlight.

Use only in well ventilated areas.

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:

Observe official regulations on storing packaging with pressurised containers.

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

Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

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8. Exposure controls and 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:

67-64-1 acetone

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
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106-97-8 butane (containing $\geq 0,1\%$ butadiene (203-450-8))

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm
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124-38-9-carbon dioxide

WEL	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX

Protection of hands:

Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

Penetration time of glove material

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

Eye protection:



Tightly sealed goggles

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9. Physical and chemical data

General Information

Foam:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Change in condition	
Melting point/ Melting range:	Undetermined
Boiling point/ Boiling range:	Not applicable, as aerosol
Flash point:	Not applicable, as aerosol
Ignition temperature:	>250°C
Self-igniting:	Product is not self igniting
Danger of explosion :	In use, may form flammable/ explosive vapour-air mixture.
Explosion limits :	
Lower :	0.6 Vol %
Vapour pressure at 20°C:	4.2 bar
Density at 20°C:	0.78 g/ cm ³
Solubility in. Miscibility with water:	Partly soluble.

10. Stability and reactivity

Thermal decomposition/ conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions:

Danger of bursting.

>50°C

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute toxicity:

LD/ LC50 values relevant for classification:		
67-64-1 acetone		
Oral	LD50	5800mg/ kg (rat)
Dermal	LD50	20000mg/ kg (rabbit)

Primary irritant effect:

on the eye: Irritating effect.

Sensitisation: No sensitising effect known.

Additional toxicological information: Vapours have narcotic effect.

12. Ecological information

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

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13. Waste disposal considerations

Product:

Recommendation Must be specially treated adhering to official regulations.

European waste catalogue

16 05 04

Gases in pressure containers (including halons) containing dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport

Land transport ADR/ RID (cross-border)



ADR/ RID class: 2.5F Gases.
UN-Number: 1950
Packaging group: -
Hazard label: 2.1
Description of goods: 1950 AEROSOLS

Maritime transport IMDG:



IMDG class: 2.1
UN-Number: 1950
Label: 2.1
Packaging group: -
EMS Number: F-D, S-U
Marine pollutant: No
Proper shipping name: AEROSOLS

Air transport ICAO-TI and IATA-DGR:



ICAO/ IATA class: 2.1
UN/ ID Number: 1950
Label: 2.1
Packaging group: -
Proper shipping name: AEROSOLS, flammable

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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:

Xi Irritant

F+ Extremely flammable

Risk phrases:

12 Extremely flammable.

18 In use, may form flammable/ explosive vapour-air mixture.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Safety phrases:

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

23 Do not breathe aerosol.

25 Avoid contact with eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use with water.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

Special labelling of certain preparations:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

National regulations:

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. Additional 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.

11 Highly flammable

12 Extremely flammable

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.