

# Material Safety Data Sheet (91/155/EEC)

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## 1. Product and company information

Commercial Product Name: **SX Multi Purpose Cleaning Wipes**

Supplier: Siroflex Ltd, Dodworth Business Park, Dodworth Barnsley S75 3SP, telephone: 01226 771600, facsimile: 01226 771601

Emergency phone: 01226 771600 (after working time)

email to [technical@siroflex.co.uk](mailto:technical@siroflex.co.uk)

## 2. Composition/information on ingredients

Hazardous ingredients C.A.S. Registry Numbers:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>Safety-Phrases</u>
Dipropylene glycol Methyl Ether	34590-94-8	6.0% max. in the formula	R36, R37, R38
Ethyl Alcohol	64-17-5	4.50% max. in the formula	R11
Petroleum Distillate	8002-05-09	1.70% max. in the formula	Xn, R10
d-Limonene	5989-27-5	0.95% max. in the formula	Xi, R10
N-Methyl Pyrrolidone	872-50-4	0.95% max. in the formula	R36, 38
2-Bromo-2-nitro-propane-1,3 diol	52-51-7	0.02% in formula	Xn, Risk: R21, R22, R37, R38, R41, R50
Chloro-2-Methyl-4-Isothiazolin-3-One (and)	26172-55-4	)	
Benzyl alcohol (and)	100-51-6	)together 0.13% in the formula	C, R34, R43, R52/53
2-Methyl-4-Isothiazolin-3-One	2682-20-4	)	

Other ingredients Emulsifiers and perfume.

## 3. Hazard identification

Fire: A water solution of solvents – if processed in hot ambient conditions, fire source may produce a flash of fire (consult flash point in paragraph 9).  
Contact: May be irritating to the eyes, skin and mucous membranes.  
Inhalation: Vapours should not be inhaled for an extended period.  
Ingestion: May be harmful if ingested.

## 4. First aid measures

Skin: In cases of irritation wash with plenty of soap and water, and temporarily discontinue use of the material.  
Eyes: Wash under running water for at least 15 minutes. Consult a doctor.  
Inhalation: In case of dizziness as a result of prolonged inhalation, remove to fresh air.  
Ingestion: Do NOT induce vomiting. Rinse mouth well with water and offer some milk.

## 5. Fire fighting measures

Extinguishing media: Use only alcohol compatible foam, dry powder, or Freons.  
Unsuitable extinguishing media: Water Spray, Incompatible foam.  
Unusual fire-fighting hazard: Not known.  
Special fire fighting procedure: Not required.  
Combustion products: Not known. No sulfur or nitrogen oxides, no halogen liberated.

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## 6. Accidental release measures

Personal precaution: Avoid eye or skin contact.  
Precaution to protect the environment: See "cleanup procedure".  
Cleanup procedure: No special measures are necessary for the wipes. If the liquid is spilled absorb it with a suitable absorbent. Dispose of in the proper method defined by local authorities.

## 7. Handling and storage

Handling precautions: Avoid eye and skin contact. Do not inhale vapours for a prolonged period.  
Storage: Always store in original container, under cover and in ambient temperatures, not exceeding 45°C (113°F). Never expose to direct heat or sunlight.  
Unsuitable packaging material: Packages incompatible with petroleum distillate or to d-Limonene.  
Incompatibilities: Strong oxidising agents.  
Other information: Not known.

## 8. Exposure controls and personal protection

Exposure control: Avoid eye contact. Do not inhale vapours for a prolonged period.  
Exposure limit for hazardous ingredient: No exposure limit for the finished product (the soaked wipes).  
Personal protective equipment:  
Respiratory: Respiratory equipment not required.  
Hand: Use protective gloves (only for the liquid production stage).  
Eye: Use safety goggles (only for the liquid production stage).  
Skin: Use a proper outfit that covers the body and hands (only for the liquid production stage).  
Industrial hygiene: Exercise good industrial hygiene practice. Produce and use in a well ventilated area. Wash after handling, keep away from food.  
Other information: Not known.

## 9. Physical and chemical properties (of the liquid absorbed on the wipes)

Physical form: Translucent fluorescent liquid  
Density: 1.040 ± 0.01 / 20°C  
pH: 6.80 ± 0.70 / (10% solution in water)  
Free alkali: 2.5 max / (mg NaOH/100 gr)  
Flash point: ≥ 96.8°F (36°C) / P.M. closed cup  
Index of refraction: 1.3580 ± 0.003

## 10. Stability and reactivity

Stability: Stable under ambient conditions. Extrapolated shelf life is a least 24 months in the original container.  
Reactivity:  
Conditions to avoid: Extreme temperatures. Sources of ignition. Static electricity.  
Materials to avoid: Strong oxidising agents.  
Hazardous decomposition products: Not known.

## 11. Toxicological information

Possible health effects:  
Skin: May cause irritation and rash upon prolonged exposure.  
Eyes: May cause irritation or damage to the cornea.  
Inhalation: Prolonged inhalation of vapour may cause dizziness.  
Oral: May cause abdominal pain, nausea, and irritation of mucous membrane.  
Other health hazard information: Not known.  
LD<sub>50</sub> of finished product: Not available.



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## 12. Environmental information

### Environmental fate and distribution:

<u>Air:</u>	The product contains volatile ingredient, which may harm the environment. It is recommended to dispose of the used wipes in closed containers, and according to local regulations.
<u>Water:</u>	The mode of use of the wipes minimizes the effect on the municipal sewage system.
<u>Terrestrial Environment:</u>	The used tissue should be disposed of according to local regulations, preferably in sealed containers. It should not be incinerated.
<u>Eco-toxicity:</u>	Highly toxic to aquatic organisms.
<u>Persistence and degradation:</u>	No information is available; however the liquid is over 90% biodegradable.
<u>BOD &amp; COD:</u>	Not determined.
<u>Degradation:</u>	The liquid is over 90% biodegradable.

## 13. Waste disposal

<u>Product disposal:</u>	The used wipe tissue should be disposed of according to local regulations for hazardous materials, preferably in sealed containers. Do not incinerate.
<u>Package disposal:</u>	Packaging should be disposed of in accordance with regional and/or national regulations. Empty package does not pose any special hazard.

## 14. Transport information

### Road & rail transport:

ADR & RID	UN Number: 1993
	Class: 3 Flammable liquids
	Danger code: 33
	Packaging group: 11
	FLAMMABLE LIQUID, N.O.S (vapour pressure at 50c at most 110 kpa)
	ETHANOL (ethyl alcohol)

### Sea transport:

IMDG code	UN Number: 1993
	Class: 3
	Packaging group: 111
	EMS Number: F-E, S-E
	Marine pollutant: no label
	FLAMMABLE LIQUID, N.O.S ETHANOL (ethyl alcohol)

### Air transport:

ICAO/IATA	UN Number: 1993
	Class: 3
	Packaging group: 11
	FLAMMABLE LIQUID, N.O.S ETHANOL (ethyl alcohol)

Addendum 25-03-04 –Transport Information – Wipes impregnated with this liquid

The liquid referred to in section 14 above is in the low-range of flammability. Low concentrations of the liquid are impregnated into a wipe fabric, the wipes are inserted into a solid plastic tub, a foil seal applied plus a solid plastic lid and the tub is wrapped in a carton.

The effect is to render the final product non-flammable for transport purposes requiring no special transport arrangements.

## 15. Regulatory information - EC directive Classification & Labelling

<u>Hazard Symbol:</u>	No Hazard Symbol
	Contains: d-Limonene may product an allergic reaction
<u>Risk phrases:</u>	R10 Flammable liquid
	R52/53 Toxic to aquatic life. May cause long range damage to aquatic life
<u>Safety phrases:</u>	S2 Keep out of reach of children
	S46 If swallowed, seek medical advice immediately and show this container or

S56 label  
Dispose of this material and its container at hazardous or special waste  
collection point

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## 16. Other information

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

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