

EC safety data sheet

Trade name: TESLANOL FX Spray 400 ml

Status: 28.1.2004

Product no.: Induchem-013

Version: 4.1.0 / GB

Date of printing: 25.01.2005

1.) Identification of the substance/preparation and company

Product details

Trade name

TESLANOL FX Spray 400 ml

Use

For use for precision mechanics and coarse mechanics

Identification of the manufacturer / supplier

Address

TESLANOL AG
Utzenstorfstr. 18
CH-3426 Aeflingen

Telephone no. +41 344 4520 33

Fax no. +41 344 4520 17

Information provided by / telephone

+41 344 4520 33

Emergency telephone number

+41 344 4520 33

2.) Composition / information on ingredients

Chemical characterization

Preparation of propellants and a mixture of benzines, mineral oils, aromatics, chlorobenzene, alcohol, resins, perfumes and auxiliary agents

Hazardous ingredients

PROPANE

EC no.	200-827-9	Index no.	601-003-00-5	CAS no.	74-98-6
Concentration	> 10	< 20	%-b.w.		
Classification	F+; R12				
Hazard symbols	F+	R phrases	12		

BUTANE

EC no.	203-448-7	Index no.	601-004-00-0	CAS no.	106-97-8
Concentration	> 30	< 40	%-b.w.		
Classification	F+; R12				
Hazard symbols	F+	R phrases	12		

N-HEXANE

EC no.	203-777-6	Index no.	601-037-00-0	CAS no.	110-54-3
Concentration	> 1	< 5	%-b.w.		
Classification	F; R11 Repr.Cat.3; R62	Xn; R65	Xn; R48/20	Xi; R38	N; R51-53
	R67				
Hazard symbols	F, Xn, N	R phrases	11-38-48/20-51/53-62-65-67		

MIXTURES OF HYDROCARBONES, FREE FROM AROMATIC HYDROCARBONS OR DEAROMATIZED

EC no.	-	Index no.	-	CAS no.	-
Concentration	> 10	< 30	%-b.w.		
Classification	F; R11	Xn; R65			
Hazard symbols	F, Xn	R phrases	11-65		

MIXTURES OF HYDROCARBONS, POOR IN AROMATIC HYDROCARBONS

EC no.	-	Index no.	-	CAS no.	-
Concentration	> 1	< 5	%-b.w.		
Classification	R10	Xn; R65	N; R51-53		
Hazard symbols	Xn, N	R phrases	10-51/53-65		

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3.) Hazards identification

Classification

F+; R12 Extremely flammable
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard symbols

F+ Extremely flammable

R phrases

12 Extremely flammable
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Particular information pertaining specific risk for human / environment

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.

4.) First aid measures

General information

In case of persisting adverse effects consult a physician.

After inhalation

Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Seek medical advice immediately.

5.) Fire-fighting measures

Suitable extinguishing media

Foam; extinguishing powder; Carbon dioxide

Extinguishing media that must not be used for safety reasons

Water

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

None known

Special protective equipment for firefighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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Methods for cleaning up/taking up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

7.) Handling and storage

Handling

Advice on safe handling

Ensure adequate ventilation. Observe safety references and application instructions mentioned on can. Keep away from sources of ignition!

Advice on protection against fire and explosion

Forms explosive gas mixtures in combination with air. Keep away from sources of heat and ignition.

Storage

Requirements for storage rooms and vessels

Keep only in the original container. Storage rooms must be properly ventilated.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from direct sunlight.

8.) Exposure controls / personal protection

Exposure limit values

PROPANE

CAS no. 74-98-6
EC no. 200-827-9

Occupational Exposure Standards (OESs) / EH40

Propane

BUTANE

CAS no. 106-97-8
EC no. 203-448-7

Occupational Exposure Standards (OESs) / EH40

Butane

TWA	1450	mg/m ³	600	ml/m ³
STEL	1810	mg/m ³	750	ml/m ³

N-HEXANE

CAS no. 110-54-3
EC no. 203-777-6

Occupational Exposure Standards (OESs) / EH40

n-Hexane

TWA	72	mg/m ³	20	ml/m ³
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Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective

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gloves.

Eye protection

Safety glasses (EN 166)

General protective and hygiene measures

Avoid contact with eyes and skin. Do not eat, drink or smoke during work time. Observe the usual precautions when handling chemicals.

9.) Physical and chemical properties

General information

Form	Aerosol
Colour	yellowish, clear
Odour	solvent-like

Important health, safety and environmental information

Changes in physical state

Value	not applicable
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Flash point

Value	-60	°C
Reference substance	Aerosol propellant	

Ignition temperature

Value	510	°C
Reference substance	Aerosol propellant	

Explosion limits

Upper explosion limit	32,00	% vol
Reference substance	Aerosol propellant	
Lower explosion limit	1,40	% vol
Reference substance	Aerosol propellant	

Vapour pressure

Value	2300	hPa
Reference temperature	20	°C

Density

Value	0,64	g/ml
Reference temperature	20	°C

Solubility in water

Remarks	insoluble
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10.) Stability and reactivity

Materials to avoid

None known

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

Frequent persistent contact with the skin can cause skin irritation.

Eye contact with the product may lead to irritation.

Inhalation of vapours may lead to headache, drowsiness and dizziness.

Inhalation may lead to irritation of the respiratory tract.

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12.) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories.

13.) Disposal considerations

Product

Hand over only completely emptied aerosol cans for valuable substance recovery!

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information

Land transport ADR/RID

Class	2	Classification code	5F
Hazard id. no.	--		
UN number	1950		
Technical name	Aerosols, flammable		

Marine transport IMDG/GGVSee

Class	2
Packaging group	--
UN number	1950
Proper shipping name	Aerosols
EmS	F-D, S-U
MARPOL	--
Remarks	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II at least.

Air transport ICAO/IATA

Class	2.1
Packaging group	--
UN number	1950
Proper shipping name	Aerosols, flammable
Remarks	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II (IATA-Regulation 5.0.2 PI203.).

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

Hazard symbols

F+ Extremely flammable

R phrases

12 Extremely flammable
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

2 Keep out of the reach of children.
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition --- No smoking.

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Special labelling for 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.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks

Annex I, part 2, category 8

16.) Other information

Relevant R-phrases (chapter 2):

10	Flammable.
11	Highly flammable.
12	Extremely flammable
38	Irritating to skin.
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.
62	Possible risk of impaired fertility.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.