

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



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

Trade name	Turposol 17
Use	Solvents
Company	Hitech Chemicals

2. Composition/information on ingredients

Nonane

content: ≥ 20.00 - < 25.00 %

CAS-No. 111-84-2
Symbol(s)

Index-No.
R-phrase(s)

EG-Nr.: 203-913-4

xylene

content: ≥ 10.00 - < 12.50 %

CAS-No. 1330-20-7
Symbol(s) Xn

Index-No. 601-022-00-9
R-phrase(s) -R10 -R20/21 -R38

EG-Nr.: 215-535-7

Trimethyl Benzene

content: ≥ 7.00 - < 10.00 %

CAS-No. 25551-13-7
Symbol(s)

Index-No.
R-phrase(s)

EG-Nr.: 247-099-9

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



cumene

content: >= 3.00 - < 5.00 %

CAS-No. 98-82-8

Symbol(s) Xn, N

Index-No. 601-024-00-X

EG-Nr.: 202-704-5

R-phrase(s) -R10 -R37 -R51/53 -R65

propylbenzene

content: >= 3.00 - < 5.00 %

CAS-No. 103-65-1

Symbol(s) Xn, N

Index-No. 601-024-00-X

EG-Nr.: 203-132-9

R-phrase(s) -R10 -R37 -R51/53 -R65

octane [and isomers]

content: >= 3.00 - < 5.00 %

CAS-No. 111-65-9

Symbol(s) F, Xn, N

Index-No. 601-009-00-8

EG-Nr.: 203-892-1

R-phrase(s) -R11 -R38 -R50/53 -R65 -R67

For the full text of the R phrases mentioned in this Section, see Section 16.

3. Hazards identification

Identification of the risks

R10

Flammable.

R51/53

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

R65

Harmful: may cause lung damage if swallowed.

4. First aid measures

General advice

If you feel unwell, seek medical advice (show the label where possible).

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, seek medical advice immediately.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



Ingestion

Do not induce vomiting without medical advice. Call a physician immediately.

5. Fire-fighting measures

Suitable extinguishing media

foam, water spray, dry powder

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Further information

Cool containers / tanks with water spray.

6. Accidental release measures

Personal precautions

Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

Additional advice

Never return spills in original containers for re-use.

7. Handling and storage

Handling

Safe handling advice

Avoid inhalation of vapour or mist. Wear personal protective equipment.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Use only explosion-proof equipment.

Storage

Requirements for storage areas and containers

Keep containers tightly closed in a dry, cool and well-ventilated place.

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



8. Exposure controls / personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

no data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
XYLENE, MIXED ISOMERS, PURE	TWA	221 mg/m ³	05 2003	EU Exposure Limit Values
	TWA	50 ppm	05 2003	EU Exposure Limit Values
	STEL	442 mg/m ³	05 2003	EU Exposure Limit Values
	STEL	100 ppm	05 2003	EU Exposure Limit Values
CUMENE	TWA	100 mg/m ³	05 2003	EU Exposure Limit Values
	TWA	20 ppm	05 2003	EU Exposure Limit Values
	STEL	250 mg/m ³	05 2003	EU Exposure Limit Values
	STEL	50 ppm	05 2003	EU Exposure Limit Values

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection Respirator with combination filter for vapour/particulate (EN 141).

Hand protection solvent-resistant gloves

Eye protection safety glasses with side-shields

Skin and body protection protective suit, safety shoes

Hygiene measures Wash hands before breaks and immediately after handling the product.

Protective measures Wear suitable protective equipment.

9. Physical and chemical properties

Form liquid

Colour colourless

Odour No information available.

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



pH	not applicable
Melting point/range	< -3.5 °C
Boiling point/range	132 °C
Flash point	44 °C
Ignition temperature	210 °C
Lower explosion limit	1.1 %(V)
Upper explosion limit	7 %(V)
Vapour pressure	4.5 hPa; 20 °C
Density	0.773 g/cm ³ ; 20 °C
Water solubility	insoluble, immiscible
Solubility in other solvents	Medium: Diethylether; completely soluble
Viscosity, dynamic	0.62 mPa.s
Relative vapour density	4.9

10. Stability and reactivity

Materials to avoid	oxidizing agents, reducing agents
Hazardous decomposition products	Carbon oxides

11. Toxicological information

Acute oral toxicity	Toluene: LD50 rat: 5,000 mg/kg; literature value Xylenes: LD50 rat: 4,300 mg/kg; literature value Xylenes: LD50 mouse: 2,119 mg/kg; literature value
Acute inhalation toxicity	Toluene: LC50 mouse: 5,320 mg/l; literature value Xylenes: LC50 rat: 50,000 mg/l; literature value; 4 h
Acute dermal toxicity	Toluene: LD50 rat: 12,124 mg/kg; literature value Xylenes: LD50 rabbit: > 17,000 mg/kg; literature value

Material Safety Data Sheet

Turposol 17

Version 1.02

Revision Date 11.08.2005



12. Ecological information

Ecotoxicity effects

Toxicity to fish

Toluene:
LC50 *Pimephales promelas*: 34.27 mg/l; 96 h; literature value

Toluene:
LC50 *Poecilia reticulata*: 59.3 mg/l; 96 h; literature value

Toluene:
LC50 *Cyprinodon variegatus*: 277 mg/l; 96 h; literature value

Xylenes:
LC50 *Salmo gairdneri*: 13.5 mg/l; 96 h; literature value

Xylenes:
Pimephales promelas: 42 mg/l; 96 h; literature value

Toxicity to daphnia

Toluene:
LC50 *Daphnia magna*: 313 mg/l; 48 h; literature value

13. Disposal considerations

Product Dispose of in accordance with local regulations.

Contaminated packaging Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport information

ADR UN-No: 3295; Class: 3; Packaging group: III; F1; Description of the goods: HYDROCARBONS, LIQUID, N.O.S. (nonane, decane)

RID UN-No: 3295; Class: 3; Packaging group: III; F1; Description of the goods: HYDROCARBONS, LIQUID, N.O.S. (nonane, decane)

ADNR UN-No: 3295; Class: 3; Packaging group: III; Description of the goods: HYDROCARBONS, LIQUID, N.O.S. (nonane, decane)

IMDG UN-No: 3295; Class: 3; EmS: F-E, S-D; Packaging group: III; Description of the goods: HYDROCARBONS, LIQUID, N.O.S. (nonane, decane)



Material Safety Data Sheet

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ICAO/IATA

UN-No : 3295; Class: 3; Packaging group: III; Description of the goods: Hydrocarbons, liquid, n.o.s. (nonane, decane)

15. Regulatory information

Labelling

Regulatory base 1999/45/EC

Symbol(s) Xn: Harmful
N: Dangerous for the environment

R-phrase(s) R10: Flammable.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.

S-phrase(s) S 9: Keep container in a well-ventilated place.
S57: Use appropriate container to avoid environmental contamination.
S60: This material and its container must be disposed of as hazardous waste.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other information

Full text of R-phrases referred to under sections 2 and 3:

R10 Flammable.
R11 Highly flammable.
R20/21 Harmful by inhalation and in contact with skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

This MSDS summarises at the date of issue our best knowledge of the health, safety and environmental hazard information related to the product, and in particular how to safely handle, use, store and transport the product in the workplace. Since we cannot anticipate or control conditions under which the product may be handled, used, stored or transported, each user must, prior to usage, review this MSDS in the context of how the user intends to handle, use, store or transport the product in the workplace and beyond, and communicate such information to all relevant parties. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Material Safety Data Sheet

Turposol 17

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