



! 1. Identification of the substance/preparation

Name of product	suprol special
Manufacturer/distributor	ELMA Hans Schmidbauer GmbH & Co KG Kolpingstr. 1-7, D-78224 Singen (Htwl.) Phone +49 7731 882-0, Fax +49 7731 882-266 E-Mail info@elma-ultrasonic.com Internet www.elma-ultrasonic.com
Advice	Chemie/Labor Phone +49 7731 882-287 Fax +49 7731 882-266
Emergency advice	Vergiftungs-Informations-Zentrale Freiburg Phone +49 761 19240

! Recommended intended purpose(s)

Ready for use water-free rinsing solution for the water-free watch-cleaning and ready for use water-displacing agent after aqueous cleaning.

! 2. Composition/information on ingredients

Chemical characterization

Mixture of hydrocarbons, aromatics removed, and 1-methoxypropan-2-ol.

! Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
000107-98-2	203-539-1	1-methoxypropan-2-ol	< 10	R10
64742-49-0	265-151-9	mixture of hydrocarbons (<0,1% aromatics)	90 - 100	R10; Xn R65; N R51/53

Additional advice

Rinsing agent after solvent cleaning and displacing agent for water after aqueous cleaning for drying of metallic surfaces.

3. Special hazards information for man and environment

R-phrases

10	Flammable.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

Physician's information / possible symptoms

Dizziness



Physician's information / possible dangers

In case of ingestion risk of pulmonary oedema and pneumonia.

Treatment (Advice to doctor)

Continue to monitor for pneumonia and pulmonary oedema.

If swallowed, flush stomach adding activated charcoal.

Keep under medical supervision for at least 48 hours.

5. Fire-fighting measures

Suitable extinguishing material

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Extinguishing material that may not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance, combustible products or resulting gases

In the event of fire the following can be released:

Carbon monoxide (CO)

Flammable vapor-air-mixture are more heavy than air. Inflammation over far distance is possible.

Additional information

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

! 6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

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

Do not discharge into the subsoil/soil.

! Methods for cleaning up/taking up

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. oil binder).

7. Handling and storage

Advice on safe handling

Open and handle container with care!

Provide good room ventilation even at ground level (vapours are heavier than air).

Keep limited supplies at workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition

Vapours can form an explosive mixture with air.

Requirements for storage rooms and vessels

Keep only in unopened original container.

Advice on storage compatibility

Do not store together with oxidizing agents.

Further information on storage conditions

Keep locked up, out of reach of children.

Keep container dry, tightly closed and store at cool and aired place.

Keep under lock and key or accessible only to specialists or people authorized by them.



Information on storage stability
Storage time: 3 years.

! 8. Exposure controls / personal protection

Additional advice on system design

Technical exhaustion if there is a long-term exposition

! Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
	mixtures of hydrocarbons, free of additives (usually used as solvents) - group 1: mixtures of hydrocarbons, free of aromatics or aromatics removed, with: aromatics < 1%, n-hexane < 5%, cyclo-/iso-hexane < 25%.	MAK	1000	200	31, TRGS 901-72
000107-98-2	1-methoxy-2-propanol	MAK	370	100	Y

Additional advice

Germany: TRGS 900/901

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

! Hand protection

Gloves (solvent-resistant)

Glove material specification [make/type, thickness]: FKM, 0,4mm.

Glove material specification [make/type, thickness]: Butyl, 0,5mm.

Eye protection

tightly fitting goggles

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

Provide washing facilities at the place of work.

Keep away from food and drink.

9. Physical and chemical properties

Form	Colour	Odour
liquid	colourless	characteristic
Data relevant for safety		
pH value in delivery state		Method
not applicable		Remark
boiling range	100 - 170 °C	
Flash point	23 - 25 °C	
Combustion temperature	250 °C	
Autoignition		no
Lower explosion limit	0,8 Vol-%	
Upper explosion limit	6 Vol-%	



Safety data-sheet (91/155 EEC)

Printed 23.08.2002

Revision 23.08.2002

suprol special

	Value	Temperature	at	Method	Remark
Vapour pressure	10 hPa	20 °C			
Density	0,773 g/cm3	20 °C			
Solubility in water					partially miscible
Solvent concentration	100 %				
Oxidizing properties					
no					
Additional information					
Vapours are heavier than air.					

10. Stability and reactivity

Conditions to avoid

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

Materials to avoid

Reactions with oxidising agents.

Hazardous decomposition products

no

! 11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	> 2000 mg/kg	rabbit		
LD 50 acute dermal	> 2000 mg/kg	rabbit		
Irritability skin	low irritant effect			
Irritability eye	low irritant			
Sensitization skin	non-sensitising			
Sensitization respiratory system	no			

Experiences made from practice

Has a degreasing effect on the skin.

12. Ecological information

Additional ecological information

	Value	Method	Remark
AOX	The product does not contain any organically bound halogens according to the recipe.		

**General regulation**

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into the ground water or aquatic environment.

! 13. Disposal considerations**! Waste code No.**

14 06 03*

Name of waste

other solvents and solvent mixtures

Recommendations for the product

For recycling consult manufacturer.

Material recycling possible.

Incinerate in suitable incineration plant, but care for official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleaning may be taken for reuse.

General information

Germany: Entsorgungsweg wie für Altöl möglich (Tankstelle, kommunaler Reinigungsbetrieb)

! 14. Transport information**Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)****Identification**

HYDROCARBONS, LIQUID, N.O.S. (Isoparaffins)

UN-No.

3295

Class

3

PG

III

Hazard No.

30

Marine transport IMDG/GGV See**Proper shipping name**

HYDROCARBONS, LIQUID, N.O.S.

UN-No.

3295

Class

3

PG

III

Marine pollutant

No

EmS-No.

3-07

Air transport ICAO/IATA**Proper shipping name**

HYDROCARBONS, LIQUID, N.O.S.

UN/ID-No.

UN3295

Class

3

PG

III

! 15. Regulatory information**Remarks for classification**

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification

Xn Harmful

N Dangerous for the environment

R-phrases

10	Flammable.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.

**S-phrases**

16 Keep away from sources of ignition - No smoking.
2 Keep out of the reach of children.
23.3 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazardous ingredients for labeling

mixture of hydrocarbons (<0,1% aromatics)

VOC standard

VOC content 100 %

16. Other information**Further information**

These data are given according to our actual knowledge about this product. This data sheet does not correspond to an assurance by virtue of a contract for properties of the product.

Sources of key data used

Own measurements.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 10 Flammable.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.