



1 Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SURVOS Plus L

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses against.

1.3 Details of the supplier of the safety data sheet

Company : HPM Technologie GmbH
Rudolf-Diesel-Straße 3
DE-72525 Münsingen

Telephone : +49 (0)7381 9344-0
Telefax : +49 (0)7381 9344-88
E-Mail-adress : info@hpmtechnologie.de

1.4 Emergency telephone number

Emergency telephone number : +49 (0)208-7828-0 Available 24h/7d

2 Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Aspiration hazard	Category 1	---	H304

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Harmful (Xn)	R65
	R66



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

Most important adverse effects

Human Health : See section 11 for toxicological information.

Physical and chemical hazards : See section 9 for physicochemical information.

Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols :



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways

Precautionary statements

Response : P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or Doctor/physician.
P331 Do NOT induce vomiting.

Storage : P405 Store locked up.

Disposal : P501 Dispose of contents/ container to an approved waste Disposal plant.

Additional Labelling:

EUH066 Repeated exposure may cause skin dryness or cracking.

Hazardous components which must be listed on the label:

- Hydrocarbons, C10-C13, n-alkane, isoalkane, cyclics, <2% aromatics
- Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.



3 Composition/information on ingredients

3.1 Mixtures

Chemical nature : Hydrocarbon mixture

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)	
		Hazard class / Hazard category	Hazard statements		
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
EC-Nr. : 918-481-9	≥ 50	Asp. Tox. 1	H304	Harmful	Xn;
Registration : 01-2119457273-39-xxxx					
Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics					
EC-Nr. : 918-317-6	≥ 50	Asp. Tox. 1	H304	Harmful	Xn;
Registration : 01-2119474196-32-xxxx					
				R66	

Remarks: Benzene content < 0.1%

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

For the full text of the H-Statements mentioned in this Section, see Section 16.

4 First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area. Take off all contaminated clothing immediately.

If inhaled : Remove to fresh air. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If symptoms persists, call a physician. If unconscious place in recovery position and Seek medical advice.

In case of skin contact : Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting. Risk of aspiration! Call a physician immediately. If a person vomits when lying on his back, place him in the recovery position.

4.2 Most important symptoms and effects, both acute and delayed

Symptomes : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Inhalation can cause CNS-depression and narcotics. Dries out the skin.

Effects : Risk of serious damage to the lungs (by aspiration). Aspiration may cause pulmonary oedema and pneumonitis.



4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

5 Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Combustible liquid. Vapour may form explosive mixtures with air. The product is insoluble and floats on water. Incomplete combustion may form toxic pyrolysis products. Fire may cause evolution of: Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)

Further information : Cool closed containers exposed to fire with water spray. Collect Contaminated fire extinguishing water separately. This must not be discharged into drains.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Provide adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray:

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

6.3 Methods and materials for containment and cleaning up

Methods and materials for Containment and cleaning up : Ensure adequate ventilation. Absorb with liquid-binding material (sand diatomite, acid binders, universal binders). Large spills should be collected mechanically (remove by pumping) for disposal. Treat recovered material as described in the section "Disposal considerations".



6.4 Reference to other sections

For personal protection see section 8.

7 Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Avoid inhalation of vapour or mist. Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures : Take off all contaminated clothing immediately. Do not breathe gas/fumes/vapour/spray. Avoid contact with the skin and the eyes. Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the End of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in an area equipped with solvent resistant flooring. Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on protection against Fire and explosion : Combustible liquid. Possible formation of ignitable mixtures in air if heated above flash point and/or if sprayed (atomised). Handle only at temperatures at least 15°C below the flash point. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

Fire-fighting class : flammable (55°C = Flp < 100°C)

Further information on storage conditions : Keep away from heat. Keep away from direct sunlight.

Advice on common storage : Incompatible with oxidizing agents.

German storage class : 10 Combustible liquids.

7.3 Specific end use(s)

Specific use(s) : No information available.

8 Exposure controls/personal protection

8.1 Control parameters

Component: C9-C15 aliphatics

Other Occupational Exposure Limit Values

TRGS 900, AGW:
600 mg/m³, (2(II))

Hydrocarbon mixtures, application as solvent (hydrocarbon solvent), additive-free



8.2 Exposure controls

Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL). In case of intensive or long exposure use self-contained breathing apparatus. In case of brief exposure or low pollution use breathing filter apparatus. Recommended Filter type:
Combination filter: A-P2

Hand protection

Advice : Solvent-resistant gloves Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear. The following materials are suitable:

Material : nitrile rubber
Break through time : ≥ 480 min
Glove thickness : 0,45 mm

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
If material reaches soil inform authorities responsible for such cases.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : liquid
Colour : colourless
Odour : characteristic
Odour Threshold : no data available
pH : not applicable



Freezing point/range	: <-20°C
Boiling point/boiling range	: 175 - 220°C
Flash point	: > 61°C
Evaporation rate	: 0,04 (Butyl Acetate = 1)
Flammability (solid, gas)	: The product is flammable but not readily ignited.
Upper explosion limit	: 7% (V)
Lower explosion limit	: 0,5% (V)
Vapour pressure	: ca. 0,6 hPa (25°C)
Relative vapour density	: > 1 (Air = 1.0)
Density	: 0,77 – 0,815 g/cm ³ (15°C)
Water solubility	: (20°C) not respectively poorly mixable
Partition coefficient: n-octanol/ water	: no data available
Auto-ignition temperature	: >200°C
Thermal decomposition	: no data available
Viscosity, kinematic	: 1,0 – 2,5 mm ² /s (20°C)
Explosivity	: Formation of explosive air/vapour mixtures is possible.
Oxidizing properties	: None known.

9.2 Other information

No further information available.

10 Stability and reactivity

10.1 Reactivity

Advice : No decomposition if stored and applied as directed.

10.2 Chemical stability

Advice : Stable under recommended storage conditions.



10.3 Possibility of hazardous reactions

Hazardous reactions : Formation of explosive air/vapour mixtures is possible.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

Heat, flames and sparks. : no data available

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Fire may cause evolution of: Carbon oxides, Under certain fire conditions, traces of other toxic products cannot be excluded.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
Oral	
LD50	: >5000mg/kg (rat)
Inhalation	
LC50	: >5 mg/l (rat) (OECD Test Guideline 403)
Dermal	
LD50	: > 5000 mg/kg (rabbit)
Irritation	
Skin	
Result	: Repeated exposure may cause skin dryness or cracking.
Eyes	
Result	: Based on available data, the classification criteria are not met.
Sensitisation	
Result	: Based on available data, the classification criteria are not met.
CMR- effects	
CMR- Properties	
Carcinogenicity	: For this product currently is no data available. Based on available data, the classification criteria are not met.
Mutagenicity	: For this product currently is no data available. Based on available data, the



	classification criteria are not met.
Reproductive toxicity	: For this product currently is no data available. Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity	
Single exposure	
Remark	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Repeated exposure	
Remark	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Other toxic properties	
Repeated dose toxicity	
	no data available
Aspiration hazard	
	May be fatal if swallowed and enters airways.

13 Disposal considerations

13.1 Waste treatment methods

Product	: Disposal together with normal waste is not allowed. Do not let product enter drains. Can be incinerated, when in compliance with local regulations.
Contaminated packaging	: Empty remaining contents. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion. Empty containers should be taken to an approved waste handling site for recycling or disposal. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
European Waste Catalogue Number	: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14 Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1 UN number
Not applicable.

14.2 UN proper shipping name
Not applicable.

14.3 Transport hazard class(es)
Not applicable.



14.4 Packaging group
Not applicable.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : not applicable.

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

WGK (DE) : WGK Identification Number: 27; WGK:1; slightly water endangering; WGK (DE); Classification according VwVwS of 17 May 1999, Annex 2

Major Accident Hazard Legislation : Falls under the German StörfallV.13

Other regulations : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment

There is no data available for this product.

16 Other information:

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

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Full text of H-Statements referred to under sections 2 and 3.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Further information

Key literature references
And sources for data : Supplier information and data from the "Database of registered substances" of the European Chemical Agency (ECHA) were used to create this safety data sheet.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes



HPM Technologie GmbH
spraying · trickling · lubricants

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PLUS L

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