

SURVOS Rapid D

Version 2.0 | Print Date: 23.11.2011 | Revision Date: 23.11.2011

**SURVOS**
RAPID D**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: SURVOS Rapid D

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 advised
against.

1.3. Details of the supplier of the safety data sheet

Company: HPM Technologie GmbH
Rudolf-Diesel-Str. 3
DE 72525 Münsingen
Telephone: +49 (0)7381-9344-0
Telefax : +49 (0)7381-9344-88
Email-address : info@hpmtechnologie.de

Responsible/
issuing person: Umwelt- / Qualitätsmanagement

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
Chronic aquatic toxicity	Category 4	---	H413

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

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RAPID D**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
Dangerous for the environment (N)	R53
	R66

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

Potential environmental effects:

See section 12 for environmental information.
No further information available.

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.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.

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, C11-C12, isoalkanes, <2% aromatics

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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)		
		Hazard class / Hazard Category	Hazard Statements	Classification (67/548/EWG)
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
EC-Nr. : 918-167-1	>= 50 - < 100	Flam. Liq.3	H226	Xn; R65, R66 R53 R10
Registration : 01-2119472146-39-xxxx		Asp. Tox.1	H304	
		Aquatic Chronic4	H413	
(2-Methoxymethylethoxy)propanol				
CAS-No. : 34590-94-8	< 10	---	---	---
EC-No : 252-104-2				

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 symptoms persist, 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 skin irritation persists, call a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

Symptoms: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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Effects: Aspiration hazard if swallowed - can enter lungs and cause damage. 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: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards during der Brandbekämpfung: Combustible liquid. Vapours may form explosive mixtures with air. 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. Keep away from heat and sources of ignition. Keep away unprotected persons. 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. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. If material reaches soil inform authorities responsible for such cases.

6.3. Methods and materials for containment and cleaning up

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Methods and materials for containment and cleaning up: Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). 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

Precautions for safe handling: Handle and open container with care. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures: Avoid contact with the skin and the eyes. Smoking, eating and drinking should be prohibited in the application area. Keep away from food, drink and animal feedingstuffs. Do not breathe gas/fumes/vapour/spray. 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. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion: Combustible liquid; Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep away from food, drink and animal feedingstuffs. Keep away from direct sunlight. Keep away from sources of ignition - No smoking.

Advice on common storage: Incompatible with oxidizing agents.

German storage class: 3B Combustible Liquids

7.2. Specific end uses

Specific use(s): No information available.

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RAPID D**8. Exposure controls/personal protection****8.1. Control parameters**

Component:	(2-Methoxymethylethoxy)propanol	CAS-Nr.
		34590-94-8
Other Occupational Exposure Limit Values		

TRGS 900, AGW:
50 ppm, 310 mg/m³, (1)

EU ELV, Time Weighted Average (TWA):
50 ppm, 308 mg/m³
Indicative

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**Engineering measures**

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment*Respiratory protection*

Advice:

In case of insufficient ventilation, wear suitable respiratory equipment. Required, if exposure limit is exceeded (e.g. OEL). In case of intensive or longer exposure use self-contained breathing apparatus. In case of brief exposure or low pollution use breathing filter apparatus. Combination filter: A-P2

Hand protection

Advice:

Wear suitable gloves. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. In case of contact through splashing: Nitrile rubber Protective gloves should be replaced at first signs of wear.

Eye protection

Advice:

Goggles giving complete protection to the eyes

Skin and body protection

Advice:

Protective work clothing

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Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Avoid subsoil penetration.
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:	weak characteristic
Odour Threshold:	no data available
pH:	no data available
Freezing point:	no data available
Boiling point/boiling range:	170 - 225 °C
Flash point:	63 °C
Evaporation rate:	no data available
Flammability (solid, gas):	not applicable
Upper explosion limit:	7 %(V)
Lower explosion limit:	0,6 %(V)
Vapour pressure:	ca. 1 hPa (20 °C) ca. 6 hPa (50 °C)
Relative vapour density:	no data available
Density:	0,773 g/cm ³ (20 °C)
Water solubility:	not respectively poorly mixable
Partition coefficient: n-octanol/water:	no data available
Ignition temperature:	no data available

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Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosivity:	Formation of explosive air/vapour mixtures is possible.
Oxidizing properties:	none

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: Incompatible with oxidizing agents. Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks. Keep away from direct sun light.

Thermal decomposition: no data available.

10.5. Incompatible materials

Materials to avoid: 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.



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11. Toxicological information

11.1. Information on toxicological effects

Irritation

Skin

Result: Degreases the skin.

Eyes

Result: Causes discomfort in the eyes but does not harm eye-tissue.

Sensitisation

Result: No sensitizing effect known.

Further information

Experience with human exposure: Even smallest amounts of product may cause pulmonary edema or pneumonia when absorbed into the lungs by swallowing or subsequent vomiting.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Component: Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity

Oral

LD50 > 5000 mg/kg (rat) (OECD Test Guideline 401)
Information given is based on data obtained from similar substances.

Dermal

LD50 Dermal > 5000 mg/kg (rabbit) (OECD Test Guideline 402)
Information given is based on data obtained from similar substances.

Component: (2-Methoxymethylethoxy)propanol CAS-No. 34590-94-8

Acute toxicity

Oral

LD50 5135 mg/kg (rat)

Inhalation

LC50 > 500 mg/l, > 500 ppm (rat; 7 h)

Dermal

LD50 13000 - 14000 mg/kg (rabbit)

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**SURVOS**
RAPID D**12. Ecological information****12.1. Toxicity****Component: Hydrocarbons, C11-C12, isoalkanes, <2% aromatics****Acute toxicity****Fish**

LL0 1000 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h)
Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates.

ELO 1000 mg/l (Daphnia magna (Water flea); 48 h)
Information given is based on data obtained from similar substances.

algae

ELO 1000 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h)
Information given is based on data obtained from similar substances.

NOELR 1000 mg/l (Pseudokirchneriella subcapitata; 72 h)
Information given is based on data obtained from similar substances.

Component: (2-Methoxymethylethoxy)propanol CAS-No. 34590-94-8**Acute toxicity****Fish**

LC50 > 10000 mg/l (Pimephales promelas; 96 h) (static test)

Toxicity to daphnia and other aquatic invertebrates.

EC50 1919 mg/l (Daphnia; 48 h)

algae

EC50 > 969 mg/l (Scenedesmus capricornutum (fresh water algae); 96 h)

12.2. Persistence and degradability**Component: Hydrocarbons, C11-C12, isoalkanes, <2% aromatics****Persistence and degradability****Biodegradability**

Result: 31,3 % (Exposure Time: 28 d)
Information given is based on data obtained from similar substances. Inherently biodegradable.

Component: (2-Methoxymethylethoxy)propanol**CAS-No. 34590-94-8****Persistence and degradability****Biodegradability**

Result: 93 % (Exposure Time: 13 d)(OECD 302 B)
Readily biodegradable

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12.3. Bioaccumulative potential

Bioaccumulation

Result: not determined

12.4. Mobility in soil

Mobility

Result: The product evaporates readily.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

Result: This mixture contains no substance considered to be persistent nor bio-accumulating. This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

Additional ecological information

Result: Do not flush into surface water or sanitary sewer system. Due to the poor solubility of the product in water an acute danger for aquatic organisms is very unlikely. May cause long-term adverse effects in the aquatic environment.

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. If recycling is not practicable, dispose of in compliance with local regulations.

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.

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14. Transport information

Not dangerous goods for ADR, RID and IMDG.

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

WKG (DE):
Major Accident Hazard
Legislation:

WKG:1; slightly water endangering; WKG (DE);
- Does not fall under the German StörfallV.

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

Currently we do not have any Information from our supplier about this.

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16. Other information

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

R10	Flammable.
R53	May cause long-term adverse effects in the aquatic environment.
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.

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

Further information

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 the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text