

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

Labshop

Chemicals, Restoration and Art Supplies

78010 Surfynol® 61, wetting agent

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Revised edition: 08.03.2019

Version: 4.0

Printed: 15.05.2019

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Surfynol® 61, wetting agent

Article No.: 78010

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Wetting agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Interlabshop B.V.
Address: Lage Brink 23, 7317 BD Apeldoorn The Netherlands
Tel./Fax.: Tel. +3155-5215016
Internet: www.Labshop.nl
EMail: labshop@labshop.nl

Importer: --

1.4. Emergency No. --

Emergency No.: --

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation
(EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, hazard category 3
Acute toxicity (oral), hazard category 4
Skin irritation, hazard category 2
Eye irritation, hazard category 2

H226 Flammable liquid and vapour.

Cat.: 3
H302 Harmful if swallowed.

Cat.: 4
H315 Causes skin irritation.

Cat.: 2
H319 Causes serious eye irritation.

Cat.: 2

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

Classification according to Regulation
(EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

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GHS02



GHS07-1

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

This product is a substance: see details under 3.2.

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

3,5-Dimethylhex-1-in-3-ol (H226-302-312-315-319-H332); REACH Reg. No. 01-2120077456-48-0000	100 %	CAS-Nr: 107-54-0 EINECS-Nr: 203-500-9 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*Consult physician.
Give artificial respiration in case breathing is not regular or if it has stopped.*

After inhalation:

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If breathing is difficult call a physician.

Give artificial respiration in case breathing is not regular or if it has stopped.

Supply fresh air or give oxygen.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.

After ingestion:

Never give anything by mouth to an unconscious person.

In case of unconsciousness, store, respectively transport in stable side position.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Prolonged/repeated inhalation of high concentrations may cause sore throat.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, dry sand. Limestone powder

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon monoxide. May cause explosive gas-air-mixtures.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device. Wear suitable protective clothing.

Further information:

Cool exposed containers with water spray.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

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Keep away from sources of heat and ignition.

Wear appropriate protective equipment. Keep spectators away.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with inert absorbent material (dry sand, vermiculite, active charcoal) and dispose as hazardous waste.

Ventilate closed rooms. If possible stop discharge of product.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.

Avoid contact with eyes.

Do not swallow or inhale.

A nearby eyewash facility should be available for emergencies.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Do not store together with: oxidants.

Take measures to prevent static electricity discharge, earth/ground all equipment.

Keep away from sources of ignition - do not smoke.

Do not store together with: foodstuffs, beverages and feed.

Storage class:

3: Flammable liquids

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

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8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

*Ensure adequate ventilation, especially in confined areas.
Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.
The process conditions should be such that the temperature is kept below the flash temperature of the product.*

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Required in case of insufficient ventilation (EN 143 or 149).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Neoprene, polyvinyl alcohol (PVA).

Eye protection:

Chemical splash goggles (EN 166).

Body protection:

Protective suit with long sleeves.

Environmental precautions:

Remove all sources of ignition.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: *liquid*

Color: *bright yellow*

Odor: *organic*

Odor threshold:

No information available.

pH-Value:

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<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>150°C (302°F)</i>
<i>Flash point:</i>	<i>49°C (120°F)</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>6 hPa (21°C; 70°F)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.85 g/cm³ (21°C; 70°F)</i>
<i>Solubility in water:</i>	<i>No data available</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>
<i>Bulk density:</i>	<i>not determined</i>

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

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Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

No information available.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid contact with heat, sparks and open fire.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Very reactive metals (i.e. sodium, calcium, zinc, etc.). Substances react with hydroxyl compound.

Dehydrogenating agent.

Oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon monoxide and dioxide, aldehyde, flammable hydrogen fragments.

Flammable hydrogen fragments can be released when heated over 65°C in the presence of strong bases.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 300 mg/kg (rat)

LD50, dermal:

No information available.

LC50, inhalation:

> 20 mg/l (1h; rat)

Primary effects

Irritant effect on skin:

Slight irritant effect.

Irritant effect on eyes:

Causes serious eye irritation.

Inhalation:

Can cause irritation of the respiratory system.

Ingestion:

Harmful if swallowed.

Sensitization:

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No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

Specific target organ toxicity (STOT):

Single exposure: Target organs: eyes.

Repeated exposure: no information available.

Additional toxicological information:

Repeated and/or prolonged exposure to fumes and/or aerosols at low levels can cause following effects: sore throat.

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

Readily biodegradable.

12.3. Bioaccumulation

No bioaccumulation.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

PBT/vPvB assessment not available as chemical safety assessment is not required / not conducted.

12.6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

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European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 1993

14.2. UN Proper Shipping Name

ADR/RID: ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (3,5-Dimethyl-1-hexyn-3-ol)

IMDG/IATA: FLAMMABLE LIQUID, N.O.S. (3,5-Dimethyl-1-hexyn-3-ol)

14.3. Transport Hazard Classes

ADR Class: 3

Hazard no.: 3

Classification code: F1

Tunnel restriction code: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.: F-E, S-E

IATA Class: 3

Hazard no.: 3

14.4. Packaging Group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Flammable liquids (P5c): Amount 1: 5000 t; Amount 2: 50000 t

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Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

Listed in the following inventories:

EINECS (EU), TSCA (US), AICS (AUS), DSL (CA), PICCS (PH), ECL (KR), ENCS (JP), SEPA (CN)

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.