

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Shellsol TD
- **Article number:** 1134
- **CAS Number:** 64741-65-7
- **EC number:**  
923-037-2  
923-037-2
- **Index number:**  
649-275-00-4  
649-275-00-4
- **Registration number** 01-2119471991-29
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Solvent for various applications
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Möller Chemie GmbH & Co. KG  
Bürgerkamp 1  
D-48565 Steinfurt  
Tel.: 02551/9340-0  
Fax: 02551/9340-60
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:** Giftnotruf Mainz - 24 Stunden Notdienst - Tel.: +49 (0) 6131/19240

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1      H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02



GHS08



GHS09

- **Signal word** *Danger*
- **Hazard statements**  
H226 Flammable liquid and vapour.

(Contd. on page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

**Trade name: Shellsol TD**

(Contd. of page 1)

*H304 May be fatal if swallowed and enters airways.**H411 Toxic to aquatic life with long lasting effects.***· Precautionary statements***P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.**P331 Do NOT induce vomiting.**P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**P405 Store locked up.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· Additional information:***EUH066 Repeated exposure may cause skin dryness or cracking.***· 2.3 Other hazards***The product does not contain any substance above the legal limits included on the list for endocrine disrupting properties established under Article 59(1) of Regulation (EC) No 1907/2006 or under Commission Delegated Regulation (EU) 2017/2100 or of Commission Regulation (EU) 2018/605 has endocrine disrupting properties.***· Results of PBT and vPvB assessment****· PBT:***The product does not contain any substances above legal limits that meet the criteria for PBT (persistent, bioaccumulative and toxic).***· vPvB:***The product does not contain any substances above legal limits that meet the criteria for vPvB (very persistent and very bioaccumulative).*

### SECTION 3: Composition/information on ingredients

**· 3.1 Substances****· CAS No. Description***Hydrocarbons, C10-C12, isoalkanes, < 2 % aromatics***· Identification number(s)****· EC number:** 923-037-2**· Index number:** 649-275-00-4

### SECTION 4: First aid measures

**· 4.1 Description of first aid measures****· After inhalation:** Supply fresh air, consult doctor in case of complaints.**· After skin contact:***In case of contact with the skin, take off soiled, soaked clothing immediately and wash the skin immediately with plenty of water and soap.**If skin irritation continues, consult a doctor.***· After eye contact:***Rinse opened eye for several minutes under running water.**Remove any existing contact lenses if possible. Continue rinsing.**If eye irritation persists, consult a specialist.***· After swallowing:** Do not induce vomiting; call for medical help immediately.**· Information for doctor:***Causes depression of the central nervous system. Possibility to develop a chemical pneumonitis.***· 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

EU

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

Trade name: Shellsol TD

(Contd. of page 2)

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide, carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear full protective suit with self-contained breathing apparatus.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Avoid contact with skin, eyes and clothing.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep container tightly closed Keep us in a cool, well-ventilated place.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:**  
3  
flammable
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
RCP group C9-C15 aliphatic  
AGW: 600 mg / m<sup>3</sup> (TRGS 900, 2007)
- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

**Trade name: Shellsol TD**

(Contd. of page 3)

- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
Nitrile rubber, NBR  
PVC gloves  
Neopren Kautschuk  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Solvent resistant protective clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** Colourless
- **Odour:** paraffinic
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** 172 - 185 °C
- **Lower and upper explosion limit**
- **Lower:** 0.6 Vol %
- **Upper:** 6 Vol %
- **Flash point:** typ. 44 °C (IP 170)
- **Ignition temperature:** 450 °C (ASTM E-659)
- **Viscosity:**
- **Kinematic viscosity at 25 °C** 1.6 mm<sup>2</sup>/s (ASTM D445)
- **Solubility**
- **water:** Insoluble.
- **Vapour pressure at 20 °C:** 160 Pa
- **Density and/or relative density**
- **Density at 15 °C:** typ. 0.751 g/cm<sup>3</sup> (ASTM D4052)

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

Trade name: Shellsol TD

(Contd. of page 4)

- **9.2 Other information**
  - **Appearance:**
  - **Form:** Fluid
  - **Important information on protection of health and environment, and on safety.**
  - **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- 
- **Information with regard to physical hazard classes**
  - **Explosives** Void
  - **Flammable gases** Void
  - **Aerosols** Void
  - **Oxidising gases** Void
  - **Gases under pressure** Void
  - **Flammable liquids**  
Flammable liquid and vapour.
  - **Flammable solids** Void
  - **Self-reactive substances and mixtures** Void
  - **Pyrophoric liquids** Void
  - **Pyrophoric solids** Void
  - **Self-heating substances and mixtures** Void
  - **Substances and mixtures, which emit flammable gases in contact with water** Void
  - **Oxidising liquids** Void
  - **Oxidising solids** Void
  - **Organic peroxides** Void
  - **Corrosive to metals** Void
  - **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** With proper handling and storage, no dangerous reactions occur.
- **10.2 Chemical stability**  
The product is stable if the regulations / instructions for storage and handling are observed.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reactions with strong oxidizing agents.
- **10.4 Conditions to avoid** Avoid all sources of ignition: heat, sparks, open flames.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:**  
Thermal decomposition is highly dependent on the external conditions. It forms a complex mixture of liquid and gases in the air, including carbon monoxide and carbon dioxide and other organic compounds, when this material undergoes combustion or thermal or oxidative degradation.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

Dermal	LD50	>3,000 mg/kg (rabbit)
Inhalative	LC50/ 4h	>7.8 mg/l (rat)

- **Skin corrosion/irritation**  
Slight irritant effect possible - does not require labeling.  
Prolonged or repeated contact may degrease the skin and lead to dermatitis.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

**Trade name: Shellsol TD**

(Contd. of page 5)

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
Fish:  
LC / EC / IC50 > 1000 mg / l  
Invertebrates:  
LC / EC / IC50 > 1000 mg / l  
algae:  
LC / EC / IC50 > 1000 mg / l  
microorganisms:  
1 < LC / EC / IC50 ≤ 10 mg / l
- **12.2 Persistence and degradability** biodegradable
- **12.3 Bioaccumulative potential** Bioaccumulation potentially possible.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
- **vPvB:** This substance is not considered to be very persistent nor very bioaccumulative (vPvB).
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal according to local regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |                                       |   |
|---------------------------------------|---|
| · <b>14.1 UN number or ID number</b>  |   |
| · <b>ADR, IMDG, IATA</b>              | UN1268  |
| · <b>14.2 UN proper shipping name</b> |   |
| · <b>ADR</b>                          | 1268 PETROLEUM DISTILLATES, N.O.S., ENVIRONMENTALLY HAZARDOUS |
| · <b>IMDG, IATA</b>                   | PETROLEUM DISTILLATES, N.O.S.                                 |

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

**Trade name: Shellsol TD**

(Contd. of page 6)

## · 14.3 Transport hazard class(es)

## · ADR



· Class 3 (F1) Flammable liquids.  
· Label 3

## · IMDG, IATA



· Class 3 Flammable liquids.  
· Label 3

## · 14.4 Packing group

· ADR, IMDG, IATA III

## · 14.5 Environmental hazards:

Environmentally hazardous substance, liquid

## · Marine pollutant:

No

## · Special marking (ADR):

Symbol (fish and tree)

## · 14.6 Special precautions for user

Warning: Flammable liquids.

## · Hazard identification number (Kemler code):

30

## · EMS Number:

F-E,S-E

## · Stowage Category

A

## · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

## · Transport/Additional information:

## · ADR

## · Limited quantities (LQ)

5L

## · Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · Transport category

3

## · Tunnel restriction code

D/E

## · IMDG

## · Limited quantities (LQ)

5L

## · Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · UN "Model Regulation":

UN 1268 PETROLEUM DISTILLATES, N.O.S. 3, III, ENVIRONMENTALLY HAZARDOUS

## SECTION 15: Regulatory information

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

## · Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

## · Seveso category

E2, P5c

P5c FLAMMABLE LIQUIDS

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 21.03.2023

Version number 1

Revision: 19.01.2023

**Trade name: Shellsol TD**

(Contd. of page 7)

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 28, 29, 40
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### **SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Product safety department
- **Contact:** Mrs. Steyer
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
  - ICAO: International Civil Aviation Organisation*
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*
  - IMDG: International Maritime Code for Dangerous Goods*
  - IATA: International Air Transport Association*
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
  - EINECS: European Inventory of Existing Commercial Chemical Substances*
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
  - LC50: Lethal concentration, 50 percent*
  - LD50: Lethal dose, 50 percent*
  - PBT: Persistent, Bioaccumulative and Toxic*
  - vPvB: very Persistent and very Bioaccumulative*
  - Flam. Liq. 3: Flammable liquids – Category 3*
  - Asp. Tox. 1: Aspiration hazard – Category 1*
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

EU