

# Safety Data Sheet

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



**70460**

**Shellsol® T**

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Revised edition: 14.02.2024

Version: 8

Printed: 28.11.2024

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

### 1.1. Product Identifier

*Product Name:* Shellsol® T

*Article No.:* 70460

*UFI:* --

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

*Identified uses:*  
Solvent

*Uses advised against:*

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

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.com

*E-Mail:* info@kremer-pigmente.com

*Importer:* --

### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 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  
Aspiration hazard, hazard category 1  
Hazardous to the aquatic environment, chronic hazard category 4*  
H226 Flammable liquid and vapour.  
Cat.: 3  
H304 May be fatal if swallowed and enters airways.  
Cat.: 1  
H413 May cause long lasting harmful effects to aquatic life.  
Cat.: 4

*Possible Environmental Effects:*

### 2.2. Label Elements

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

*Hazard designation:*



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GHS08-2

Signal word:

Danger

Hazard designation:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P301+P310	If swallowed: Immediately call a poison center or physician.
P331	Do not induce vomiting.
P370+P378	In case of fire: use water spray, foam, carbon dioxide or dry extinguishing powder for extinction.
P403+P235	Store in a well ventilated place. Keep cool.
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

### 3. 2. Mixture

Chemical Characterization: Mixture of isoparaffinic hydrocarbons.

Information on Components / Hazardous Ingredients:

Hydrocarbons, C11-C12, Isoalkanes, < 2 %	100 %	CAS-Nr:
Aromatics (H226-304-413); REACH Reg. No. 01-2119472146-39-xxxx		EINECS-Nr: 918-167-1
		EC-Nr:

Additional information:

## 4. First Aid Measures

### 4. 1. Description of the First Aid Measures

General information:

Do not leave affected persons unattended.  
Take person away from hazardous area.  
In all cases of severe injuries or in case of unconsciousness, do not transport affected persons: call a physician.  
Give artificial respiration in case breathing is not regular or if it has stopped.

After inhalation:

Supply fresh air or give oxygen.

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*Get medical help.*

*In case of unconsciousness place patient stable in side position for transportation.*

*After skin contact:*

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

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.*

*After ingestion:*

*Do not induce vomiting. Consult physician immediately. Never give anything by mouth to an unconscious person.*

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

*Symptoms:*

*Headache, dizziness, nausea, unconsciousness.*

*Effects:*

*Aspiration can cause disorders of the central nervous system.*

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

*Treatment:*

*If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.*

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray jet.*

*Fight larger fire with water jet or alcohol resistant foam.*

*Unsuitable extinguishing media:*

*Water with full jet.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon oxides and smoke.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Contaminated extinguishing water and debris should be disposed of according to local regulations.*

*Cool exposed containers with water spray.*

## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.*

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*Ensure adequate ventilation.*

*Keep away from sources of ignition. No smoking.*

## 6. 2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

*Contact local authorities if product pollutes soil or vegetation.*

## 6. 3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.*

*Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.*

## 6. 4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

---

# 7. Handling and Storage

## 7. 1. Precautions for Safe Handling

*Instructions on safe handling:*

*Provide adequate ventilation.*

*Avoid the formation of aerosol.*

*Protect against heat and direct sunlight.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

## 7. 2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

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

*Protect against heat and direct sunlight.*

*Requirements for storage areas and containers:*

*Suitable packaging: only approved packagings may be used.*

*Information on fire and explosion protection:*

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

*Do not store together with combustible, self-ignitable and flammable products, nor with highly inflammable solids.*

*Measures should be taken to avoid waste/uncontrolled discharge into the environment.*

*Keep away from sources of heat and ignition - do not smoke.*

*Do not use compressed air for filling, discharging or other applications.*

*Storage class:*

**3; Flammable liquids (TRGS 510)**

*Further Information:*

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## 7. 3. Specific End Use(s)

*Further information:*

*No information available.*

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## 8. Exposure Controls/Personal Protection

### 8. 1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900

Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics: TWA 600 mg/m<sup>3</sup>

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*PNEC (Predicted No-Effect Concentration):*

*Additional Information:*

### 8. 2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*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:*

*Respiratory equipment required in case of insufficient ventilation, filter type A (organic gases/vapors, boiling point > 65°C)*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective gloves should be changed regularly, especially after intensive contact with the product.*

*Protective glove material:*

*Recommended: Protective index 4, corresponding > 120 min. of permeation time (EN 374).*

*Polyethylene (PE), chloroprene rubber (CR), butyl rubber (0.4 mm)*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.*

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## 9. Physical and Chemical Properties

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## 9. 1. Information on Basic Physical and Chemical Properties

Form:	liquid
Color:	colorless
Odor:	characteristic
Odor threshold:	no information available
pH-Value:	not available
Melting temperature:	<-20°C
Boiling temperature:	179 - 191°C (1 atm)
Flash point:	56°C (1 atm)
Evaporation rate:	not determined
Flammability (solid, gas):	Flammable liquid according to GHS criteria
Upper explosion limit:	7 Vol.-%
Lower explosion limit:	0.6 Vol.-%
Vapor pressure:	0.07 kPa (20°C)
Vapor density:	No information available.
Density:	0.76 g/cm <sup>3</sup> (15°C)
Solubility in water:	not determined
Coefficient of variation (n-Octanol/Water):	1.99 - 6.73 logPOW
	no information available
Auto-ignition temperature:	> 200°C
Decomposition temperature:	No data available.
Viscosity, dynamic:	not available
Explosive properties:	Product is not explosive; however, an explosive vapor/air mixture can be formed.
Oxidizing properties:	no information available
Bulk density:	not applicable

## 9. 2. Further Information

Solubility in solvents:

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*Viscosity, kinematic:* 1.8 mm<sup>2</sup>/s (20°C)

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Surface tension: 23.7 mN/m (25°C)*

*Temperature class: T3 (maximum temperature: 200°C)*

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## 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

*Formation of explosive vapor-air-mixtures possible in case of insufficient ventilation.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid heat, sparks, open fire and other ignition sources.*

*Thermal decomposition:*

*No data available.*

### 10.5. Incompatible Materials

*Strong oxidizing agents.*

### 10.6. Hazardous Decomposition Products

*None known.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*Is not classified as acutely toxic.*

*LD50, oral:*

*> 15000 mg/kg (rat)*

*LD50, dermal:*

*> 5000 mg/kg (rabbit)*

*LC50, inhalation:*

*> 9300 mg/m<sup>3</sup> (4h, rat)*

*LC50: > 4951 mg/m<sup>3</sup> (4h, rat; vapor)*

*Primary effects*

*Irritant effect on skin:*

*Shall not be classified as corrosive/irritant to skin.*

*Irritant effect on eyes:*

*Shall not be classified as seriously damaging or irritating to the eye.*

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*Inhalation:*

*Avoid the inhalation of vapors above the recommended exposure level.*

*Ingestion:*

*No information available*

*Sensitization:*

*Shall not be classified as a respiratory or skin sensitizer.*

*Mutagenicity:*

*Not mutagenic.*

*Reproductive toxicity:*

*No reproductive toxicity expected.*

*Carcinogenicity:*

*Not cancerogenic.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.  
Repeated exposure: no organospecific toxicity expected.*

*Aspiration hazard:*

*May be fatal if swallowed and enters airways.*

**11. 2. Information on other Hazards**

*Skin contact: repeated exposure may cause skin dryness or cracking.*

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**12. Ecological Information**

**12. 1. Aquatic Toxicity**

*Fish toxicity:*

*LL50: > 1000 mg/l (48h, fish)  
LL50 (Chronic): > 1000 mg/l (24h, fish)*

*Daphnia toxicity:*

*EL50: > 1000 mg/l (24h, Daphnia magna)  
EL50 (Chronic): > 1 mg/l (21d, Daphnia magna)*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*No information available.*

**12. 2. Persistency and Degradability**

*Biochemical oxygen demand (BOD): 7.3 % (4d)  
Carbon dioxide formation: 0 % (3d)*

**12. 3. Bioaccumulation**

*Bioconcentration factor (BCF): 6.91 - 3.625 (ECHA)*

**12. 4. Mobility**

*Adsorption coefficient (Organic Carbon) soil/water (Koc): 1.71 -*

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## 5.55 (ECHA)

### 12. 5. Results of PBT- und vPvP Assessment

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12. 6. Endocrine Disrupting Properties

*This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.*

### 12. 7. Other Adverse Effects

*Water hazard class:*

*1 (German Regulation) (Assessment by list): slightly hazardous.  
Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

*Product:*

*Solvent recovery / regeneration.*

*Do not empty into drains. Avoid release into the environment.  
Refer to special instructions / Safety data sheets.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Non contaminated packaging can either be recycled or utilized for energy (incineration).*

*Waste Code No.:*

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## 14. Transport Information

### 14. 1. UN Number

*ADR, IMDG, IATA*

*3295*

### 14. 2. UN Proper Shipping Name

*ADR/RID:*

*KOHLLENWASSERSTOFFE, FLÜSSIG, N.A.G. (Iso- und Cycloalkane)*

*IMDG/IATA:*

*HYDROCARBONS, LIQUID, N.O.S. (Iso- and cycloalkanes)*

### 14. 3. Transport Hazard Classes

*ADR Class:*

*3*

*Hazard no.:*

*3*

*Classification code:*

*F1*

*Tunnel restriction code:*

*D/E*

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	<i>IMDG Class (sea):</i>	3
	<i>Hazard no.:</i>	3
	<i>EmS No.:</i>	F-E, S-D
	<i>IATA Class:</i>	3
	<i>Hazard no.:</i>	3
14. 4.	<b>Packaging Group</b>	
	<i>ADR/RID:</i>	III
	<i>IMDG:</i>	III
	<i>IATA:</i>	III
14. 5.	<b>Environmental Hazards</b>	
		None
14. 6.	<b>Special Precautions for User</b>	
		Warning: Inflammable liquids.
14. 7.	<b>Maritime Transport in Bulk according to IMO Instruments</b>	
		not applicable
14. 8.	<b>Further Information</b>	
15.	<b>Regulatory Information</b>	
15. 1.	<b>Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture</b>	
	<i>Water hazard class:</i>	1, slightly hazardous for water (according to the German Regulation AwSV)
	<i>Local regulations on chemical accidents:</i>	Flammable liquids (P5c): Amount 1: 5000 t; Amount 2: 50000 t
	<i>Employment restrictions:</i>	
	<i>Restriction and prohibition of application:</i>	EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 3, 40.
	<i>Technical instructions on air quality:</i>	5.2.5.: Organic substances: > 25 wt.-% (m>=0.50 kg/h: conc. 50 mg/m <sup>3</sup> )
15. 2.	<b>Chemical Safety Assessment</b>	
		A Chemical Safety Assessment has not been carried out for this product.
15. 3.	<b>Further Information</b>	
		Listed in the following inventories: EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS): not listed. Regulation (EC) No. 166/2006 concerning the establishment of a

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*European Pollutant Release and Transfer Register (PRTR): Not listed*

*Regulation on Persistent Organic Polutants (POP): not listed*

*VOC Content: 100 %*

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## 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.*