



**SAFETY DATA SHEET**  
SHELLSOL T  
According to 1907/2006/EC, Article 31

**PRODUCT NAME:** SHELLSOL T  
**DATE OF COMPILATION:** 15/04/2016  
**REVISION DATE:** 15/04/2016

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier:**

**Trade name:** SHELLSOL T  
**EC number:** 918-167-1  
**Index number:** 649-275-00-4  
**Registration number:** 01-2119472146-39-XXXX

**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

**1.3 Details of the supplier of the safety data sheet:**

Jackson's Art Supplies  
1 Farleigh Place  
N16 7SX London  
www.jacksonsart.com  
  
Telf: +44 (0)207 254 0077  
9-5:30 Mon-Fri  
10-6 Saturday

Further information obtainable from: Contact us at the above office.

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

**Classification under CLP:** Flam. Liq. 3: H226 Flammable liquid and vapour.

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

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

**Hazard statements:** H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

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

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS08: Health Hazard



**Hazard-determining components of labelling:** Naphtha (petroleum), heavy alkylate

**Hazard statements:**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P233 Keep container tightly closed.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P403+P235 Store in a well-ventilated place. Keep cool.

**2.2. Other Hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Chemical characterisation: Substances:****Chemical identity:** CAS No. Description

EC 918-167-1

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics

**Identification number(s):**

**EC number:** 918-167-1

**Index number:** 649-275-00-4

**Additional information:**

The benzene content of this product is less than 0.1% w/w. Nota P applies. Classification and labelling as R45 is not applicable.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures:****After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for at least 15 minutes under clean running water. Remove contact lenses if possible. Seek immediate medical advice.  
Continue to irrigate the eye with clean water.  
Seek immediate medical advice.

**After swallowing:**

Do NOT induce vomiting; rinse mouth with water, call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Information for doctor:** Risk of lung aspiration due to low viscosity of product.

**4.3. Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:**

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with aqueous film forming foam (AFFF). Cool containers with water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

**5.2 Special hazards arising from the substance or mixture**

Carbon monoxide (CO), if incomplete combustion.

**5.3 Advice for fire-fighters:**

Protective equipment: Wear self-contained respiratory protective device.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation  
Keep people at a distance and stay on the windward side.  
Wear protective clothing.

### 6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.  
In case of seepage into the ground inform responsible authorities.  
Do not allow to enter sewers/ surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.

### 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

Open and handle receptacle with care.  
Take note of emission threshold.  
Use only in well ventilated areas.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
**Information about fire - and explosion protection:** Keep respiratory protective device available.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:  
Provide solvent resistant, sealed floor.  
Prevent any seepage into the ground.  
Use only receptacles specifically permitted for this substance/product.  
Unsuitable material for receptacle: aluminium.  
**Information about storage in one common storage facility:** Not required.  
**Further information about storage conditions:** None.

### 7.3 Specific end use(s): No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** Not required.  
**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### 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.  
Store protective clothing separately.  
Avoid alcohol consumption while working with the product.

#### Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation - when exposure levels are likely to be exceeded.

#### Hand protection:

Solvent resistant gloves. Use gloves approved to BS EN 374 : Protective Gloves against Chemicals.  
Chemical Resistant Gloves, class 4 or higher for prolonged exposure.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:** 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.

**Eye protection:** Goggles recommended during refilling .

**Skin protection:** Protective clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**General information:**

**State:** Liquid

**Colour:** Clear

**Odour:** Specific type

**Odour threshold:** Not determined

**pH-value:** Not determined

**Change in condition:**

**Melting point/Melting range:** -50 °C

**Boiling point/Boiling range:** 187 °C

**Flash point°C:** 60

**Flammability (solid, gaseous):** Not applicable

**Ignition temperature:** 450 °C

**Decomposition temperature:** Not determined

**Self-igniting:** Not determined.

**Danger of explosion:** Product does not present an explosion hazard

**Explosion limits:** Insoluble

**Lower:** 0.7 Vol %

**Upper:** 7.5 Vol

**Vapour pressure at 20 °C:** 5 hPa

**Density at 20 °C:** 0.761 g/cm<sup>3</sup>

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined

**Solubility in / Miscibility with water at 20 °C:** 0.05 g/l

**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:**

**Dynamic:** Not determined

**Kinematic:** Not determined

**Solvent content:**

**Organic solvents:** 100.0 %

**VOC (EC)** 100.00 %

### 9.2 Other information

No further relevant information available.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended transport or storage conditions.

**Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications and industry good practice.

**Hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Materials to avoid:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide if incomplete combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity:**

LD/LC50 values relevant for classification:		
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

**Primary irritant effect:**

**Skin orrosion/irritation:** Prolonged contact with any solvent can result in skin irritation, not classed as an irritant. Always wear suitable gloves when handling.

**Serious eye damage/irritation:** Persistent exposure may cause irritation. Not classed as an eye irritant.

**Respiratory or skin sensitisation:** No sensitising effects known.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity values:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**General notes:** Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

**Recommendation:** Must not be disposed together with household refuse. Do not allow product to reach sewage system.

**European waste catalogue:** Refer to our office for EWC codes for disposal of used solvent.

**Uncleaned packaging::**

**Recommendation:** Waste Solvent Disposal must be made according to official regulations. Refer to Hazardous Waste Regulations 2005.

Requires movement under Consignment note by licensed waste carrier. We may be able provide this service - please contact us for more details. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Please contact us if you wish to return your used packaging (205litre and IBC's only). Containers to be scrapped as waste must be cleaned so that no hazardous substances remain, otherwise uncleaned containers containing residue for scrap will need to be consigned as hazardous waste as per WM3.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN Number:

**UN Number:** ADR, IMDG, IATA UN1268

**UN Shipping Name:** ADR 1268 PETROLEUM DISTILLATES, N.O.S.

IMDG, IATA PETROLEUM DISTILLATES, N.O.S.

**Transport hazard class:** 3 Flammable liquids

**Packing Group:** III

**Environmentally hazardous:** Marine pollutant: No

### 14.2 Special precautions for user

**Warning:** Flammable liquids.

### 14.3 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**Transport/Additional information:**

**ADR**

**Limited quantities (LQ:)** 5L

**UN "Model Regulation":** UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

## SECTION 15: REGULATORY INFORMATION

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

No further relevant information available.

**Chemical safety assessment:** A chemical safety assessment has not been carried out.

## SECTION 16: ADDITIONAL 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.

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation.

### **Relevant phrases None**

### **Training hints**

Make users aware of the contents of this document and train according to use and risks within your operation.

**Department issuing MSDS:** Product safety department.

**Contact:** Sales Office in the first instance.

### **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)

ADR: Accord européen sur le transport 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4