

**MATERIAL: TECHSIL® PRONATUR SOLVENT**

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

<b>1.1</b>	<b>Product Name:</b>	Techsil® Pronatur Solvent
<b>1.2</b>	<b>Product Use:</b>	Cleaner & Degreaser
<b>1.3</b>	<b>Supplier:</b>	Techsil Ltd 34 Bidavon Industrial Estate Waterloo Road Bidford on Avon Warwickshire B50 4JN Tel: +44(0)1789 773232 Fax: +44(0)1789 774239 Email: <a href="mailto:sales@techsil.co.uk">sales@techsil.co.uk</a>
<b>1.4</b>	<b>Emergency Telephone:</b>	+44(0)7971 228794

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture:**

**Physical Hazards**

Not Classified

**Health Hazards**

Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

**Environmental Hazards** Aquatic Chronic 2 - H411

**Human health**

Prolonged skin contact may cause redness and irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Environmental**

The product contains a substance which may cause long-term adverse effects in the environment

**2.2 Label Elements:**

**Pictogram**



**Signal word**

Danger

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face

**Protection.**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P331 Do NOT induce vomiting.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.

**Contains**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, HYDROCARBONS, C11- C13, ISOALKANES, <2% AROMATICS, Orange Essential Oil, d-LIMONENE

**Contact Details**

Techsil Ltd

Unit 34, Bidavon Industrial Estate, Waterloo Road, Bidford on Avon, Warwickshire, B50 4JN

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**Supplementary precautionary  
Statements**

P261 Avoid breathing vapour/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P321 Specific treatment (see medical advice on this label).  
P362 Take off contaminated clothing.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.

**2.3 Other Hazards:**

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

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**3.2 Mixtures:**

**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 30-60%**

CAS number: 64742-47-8 EC number: 265-149-8 REACH registration number: 01-2119484819-18-0001

**Classification**

Asp. Tox. 1 - H304

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R65.

**HYDROCARBONS, C11-C13, ISOALKANES, 10-30%**

**<2% AROMATICS**

CAS number: 90622-58-5

EC number: 292-460-6

**Classification**

Flam. Liq. 4 - H227

Asp. Tox. 1 - H304

Skin Irrit. 3 - H316

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R65. R66.

**Orange Essential Oil**

CAS number: 8028-48-6

EC number: 232-433-8

M factor (Acute) = 1

M factor (Chronic) = 1

**Classification**

Flam. Liq. 3 - H226

H226 Skin Irrit. 2 - H315

H315 Skin Sens. 1 - H317

H317 Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R65. Xi;R38. N;R50/53. R10,R43.

**10-30%**

**d-LIMONENE**

CAS number: 5989-27-5

EC number: 227-813-5

M factor (Acute) = 1

M factor (Chronic) = 1

**Classification**

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

**Classification (67/548/EEC or 1999/45/EC)**

R10 R43 Xi;R38 N;R50/53

**5-10%**

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**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

**Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.

**Ingestion**

Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

**Skin contact**

Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

**4.2 Most Important Symptoms and Effects, both Acute and Delayed:**

**Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion**

Congestion of the lungs may occur, producing severe shortness of breath.

**Skin contact**

Prolonged contact may cause redness, irritation and dry skin. Allergic rash.

**Eye contact**

Visual disturbances, including blurred vision.

**4.3 Indication of any Immediate Medical Attention and Special Treatment Needed:**

**Notes for the doctor**

No specific recommendations.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing Media:**

**Suitable extinguishing media**

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2 Special Hazards Arising from the Substance or Mixture:**

**Specific hazards**

No unusual fire or explosion hazards noted.

**Hazardous combustion products**

Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

**5.3 Advice for Firefighters:**

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

**Personal precautions**

Avoid contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

**6.2 Environmental Precautions:**

Do not discharge into drains or watercourses or onto the ground.

**6.3 Methods and Material for Containment and Cleaning-Up:**

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage.

Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

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**6.4 Reference to Other Sections:**

-

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapours.

**7.2 Conditions for Safe Storage, Including and Incompatibilities:**

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**7.3 Specific End Use(s):**

Miscellaneous hazardous material storage.

**SECTION 8: HANDLING AND STORAGE**

**8.1 Control Parameters:**

**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS: 64742-47-8)**

DNEL Consumer - Oral; Long term systemic effects: 19 mg/kg/day

**8.2 Exposure Controls:**

Protective equipment



**Appropriate engineering controls**

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Other skin and body protection**

Wear an apron.

**Hygiene measures**

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection**

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on Basic Physical and Chemical Properties:**

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Light (or pale). Yellow.
<b>Odour</b>	Orange.
<b>pH</b>	pH (concentrated solution): 7
<b>Flash point</b>	69°C
<b>Evaporation rate</b>	0.06
<b>Upper/lower flammability or explosive limits</b>	0.6
<b>Vapour density</b>	4.5
<b>Relative density</b>	0.8 @ °C
<b>Solubility(ies)</b>	Immiscible with water.

**9.2 Other Information:**

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**Contact Details**

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity:**

There are no known reactivity hazards associated with this product.

### **10.2 Chemical Stability:**

No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

### **10.3 Possibility of Hazardous Reactions:**

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### **10.4 Conditions to Avoid:**

Avoid contact with strong oxidising agents. Avoid heat, flames and other sources of ignition.  
Avoid exposure to high temperatures or direct sunlight.

### **10.5 Incompatible Materials:**

Strong oxidising agents. Acids - oxidising.

### **10.6 Hazardous Decomposition Products:**

Heating may generate the following products: Oxides of carbon.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on Toxicological Effects:**

#### **Toxicological effects**

No information available

#### **Inhalation**

No significant hazard at normal ambient temperatures. Heating may generate the following products:  
Irritating gases or vapours.

#### **Ingestion**

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

#### **Skin contact**

Vapour or spray in the eyes may cause irritation and smarting.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity:**

Very toxic to aquatic life with long lasting effects.

### **12.2 Persistence and Degradability:**

There are no data on the degradability of this product.

### **12.3 Bioaccumulative Potential:**

No data available on bioaccumulation.

### **12.4 Mobility in Soil:**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface.

### **12.5 Results of PBT and vPvB Assessment:**

This product does not contain any substances classified as PBT or vPvB.

### **12.6 Other Adverse Effects:**

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste Treatment Methods:**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste via a licensed waste disposal contractor.

## **SECTION 14: TRANSPORT INFORMATION**

### **14.1 UN Number:**

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

## **Contact Details**

**14.2 UN Proper Shipping Name:**

**Proper shipping name (ADR/RID)** Environmentally Hazardous Substance, Liquid, n.o.s. (contains d-limonene)  
**Proper shipping name (IMDG)** Environmentally Hazardous Substance, Liquid, n.o.s. (contains d-limonene)  
**Proper shipping name (ICAO)** Environmentally Hazardous Substance, Liquid, n.o.s. (contains d-limonene)  
**Proper shipping name (ADN)** Environmentally Hazardous Substance, Liquid, n.o.s. (contains d-limonene)

**14.3 Transport Hazard Class(es):**

**ADR/RID class** 9  
**IMDG class** 9

**Transport labels**



**14.4 Packing Group:**

**ADR/RID packing group** III  
**IMDG packing group** III

**14.5 Environmental Hazards:**

**Environmentally hazardous substance/marine pollutant**



**14.6 Special Precautions for User:**

EmS F-A, S-F  
Tunnel restriction code (E)

**14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:**

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**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:**

**National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance**

Workplace Exposure Limits EH40.  
CHIP for everyone HSG228.  
Safety Data Sheets for Substances and Preparations.  
Approved Classification and Labelling Guide (Sixth edition) L131.

**15.2 Chemical Safety Assessment:**

No chemical safety assessment has been carried out.

**Contact Details**

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms used in the safety data sheet.**

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
ADR: European Agreement concerning the International Carriage of dangerous Goods by Road.  
IMDG: International Maritime Code for Dangerous Goods.  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
CAS: Chemical Abstract Service.  
DNEL: Derived No-Effect Level.  
PNEC: Predicted No-Effect Concentration.  
LD50: Lethal dose, 50 percent.  
LC50: Lethal concentration, 50 percent.  
WEL: Workplace Exposure Limit.  
STEL: Short Term Exposure Limit.  
TWA: Time Weighted Average.  
PBT: Persistent Bioaccumulative Toxic.  
vPvB: Very Persistent and Very Bioaccumulative.

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

**Contact Details**

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