

# Product Data Sheet



## holzöl Quick-Oil

Code	Description
7QO/00/10	holzöl Quick-Oil 10% Sheen

<b>Technical Data</b>	holzöl Quick-Oil is a fast drying natural oil/resin formulation for site work and painting contractors.
<b>Properties</b>	holzöl Quick-Oil a fast drying natural oil/resin formulation for site work and painting contractors. Water & dirt repellent, extremely durable and easy to apply. Suitable for bar work, counters, panelling, architrave etc.
<b>Mixing Guidelines</b>	Supplied ready for use (RFU).
<b>Typical Handling</b>	Drying Time: 4 - 5 hours, Recoat Time 4 – 5 hours  These times are dependant amounts applied, the absorbency of the wooden substrate and application conditions.
<b>Cleaning</b>	R047 - White Spirit should be used for cleaning equipment.
<b>Coverage</b>	Approximately 12 - 28m <sup>2</sup> per litre depending upon the application method, absorbency and surface quality of the timber being coated.
<b>System Guidelines</b>	Morrells recommends the following guidance for use of this product:  <b>Typical Finish:</b> <ul style="list-style-type: none"> <li>o The surfaces of the timber to be coated should be clean, dry and free from oils, greases, waxes, silicones, old finishes etc.</li> <li>o Apply an even film of <b>holzöl</b> Quick-Oil with a brush, rag or roller over the surface of the timber.</li> <li>o Allow to dry for 4-5 hours, then lightly abrade with 220/240 silicon carbide abrasive.</li> <li>o Apply a second coat of <b>holzöl</b> Quick-Oil, as above. Allow 12 hours to completely dry.</li> </ul> Using this product in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.
<b>Maintenance</b>	The <b>holzöl</b> Quick-Oil should be maintained using a clean, lightly dampened cloth.  If the finish becomes "tired" looking or damaged, abrade with 240/320 silicon carbide abrasive and apply a further coat of <b>holzöl</b> Quick-Oil.



<p><b>Important Information</b></p>	<ul style="list-style-type: none"> <li>➤ Designed for manual (brush, roller or rag) application.</li> <li>➤ Always test the product on a spare surface or inconspicuous area to assess compatibility, colour and finish.</li> <li>➤ Sawdust, cloths, brushes, papers and similar products containing wet product may cause spontaneous combustion. Either allow to fully dry or drench in water before disposal.</li> <li>➤ Product should be stored above 5°C and protected from frost.</li> <li>➤ Optimum application is achieved between 20°C and 25°C with good air movement and ventilation.</li> <li>➤ Meets the VOC requirements of 2004/42/EC, Annex II(cat A/i).</li> </ul>
<p><b>Health &amp; Safety</b></p>	<p>Reference should be made to the appropriate MSDS for this product, which can be found at <a href="http://www.morrells.co.uk">www.morrells.co.uk</a></p> <p>The use of appropriate personal protection equipment (PPE) is recommended.</p>

The information provided on this information sheet is based on the best of our knowledge and experience, is given in good faith and should only be regarded as recommendations. No guarantee should be inferred and customers are advised to carry out their own tests under local conditions.

For further technical information contact our Technical Support Team on 0161 406 5300.



**SAFETY DATA SHEET**  
**HOLZOL Quick Oil**

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

**1.1. Product identifier**

**Product Name** HOLZOL Quick Oil  
**Product No.** 7QO/00/10

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Oil finish for wood

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

**Supplier:** Morrells Woodfinishes Ltd  
Wellington Works  
Mill Lane, Woodley  
Stockport  
England  
SK6 1RN  
0161 406 5300  
0161 406 6276  
enquiries@morrells.co.uk

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical	Flam. Liq. 3 - H226
Health	EUH066
Environmental	Not classified.

**Classification (1999/45)** R10, R66, R67.

**Human Health**

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Repeated exposure may cause skin dryness or cracking.

**Environment**

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**Physical And Chemical Hazards**

Vapours are heavier than air and may travel along the floor and in the bottom of containers.

**2.2. Label elements**

**Label In Accordance With (Ec) No. 1272/2008**



**Signal Word** Warning

**Hazard Statements**

H226 Flammable liquid and vapour.

**Precautionary Statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

## HOLZOL Quick Oil

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+378	In case of fire: Use ... for extinction.

### Supplementary Precautionary Statements

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P403+235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to ...

### Supplemental Label Information

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>naphtha (petrol) hydrotreated heavy</b>	<b>10-30%</b>
<b>CAS-No.: 64742-48-9</b>	<b>EC No.: 927-241-2</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548) Xn;R65. R10,R52/53,R67.
<b>NAPHTHA PETROLEUM TREATED HEAVY</b>	<b>30-60%</b>
<b>CAS-No.: 64742-48-9</b>	<b>EC No.: 265-150-3</b>
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304	Classification (67/548) Xn;R65. R66.
<b>N-METHYL-2-PYRROLIDONE</b>	<b>1-5%</b>
<b>CAS-No.: 872-50-4</b>	<b>EC No.: 212-828-1</b>
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 1B - H360D STOT Single 3 - H335	Classification (67/548) Repr. Cat. 2;R61 Xi;R36/37/38

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

### Composition Comments

The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation.

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. If respiratory problems, artificial respiration/oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

# HOLZOL Quick Oil

## Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Get medical attention.

## Skin Contact

Use appropriate hand lotion to prevent defatting and cracking of skin. Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention promptly if symptoms occur after washing.

## Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

## 4.2. Most important symptoms and effects, both acute and delayed

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing Media

Use: Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.

#### 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

#### Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

#### Specific Hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Containers can burst violently when heated, due to excess pressure build-up.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

#### Protective Measures In Fire

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

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

Keep combustibles away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Do not use contact lenses. Avoid spilling, skin and eye contact. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapours will be emitted.

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

Store in tightly closed original container in a dry and cool place. Store under well-ventilated conditions at a temperature below 25°C.

#### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# HOLZOL Quick Oil

## 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
naphtha (petrol) hydrotreated heavy	WEL		1595 mg/m <sup>3</sup>			
NAPHTHA PETROLEUM TREATED HEAVY	WEL	148 ppm	1200 mg/m <sup>3</sup>			
N-METHYL-2-PYRROLIDONE	WEL	25 ppm(Sk)	103 mg/m <sup>3</sup> (Sk)	75 ppm(Sk)	309 mg/m <sup>3</sup> (Sk)	

WEL = Workplace Exposure Limit.

### Ingredient Comments

WEL = Workplace Exposure Limits

## 8.2. Exposure controls

### Protective Equipment



### Process Conditions

Provide eyewash station.

### Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Hand Protection

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

### Eye Protection

Contact lenses should not be worn when working with this chemical! Wear approved safety goggles.

### Other Protection

Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower.

### Hygiene Measures

Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Flash Point (°C)	23<t<60
Partition Coefficient (N-Octanol/Water)	0.46 nmp

### 9.2. Other information

Volatile Organic Compound (VOC) 435 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

The vapours may form explosive mixtures with the air

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

### 10.5. Incompatible materials

#### Materials To Avoid

Organic sulphur compounds. Inorganic sulphides. Organic peroxides/hydroperoxides.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Toxic Dose 1 - Ld 50** 3914 mg/kg (oral rat)  
**Acute Toxicity (Dermal LD50)** 7000 mg/kg Rat  
**Acute Toxicity (Inhalation LC50)** > 5.1 mg/l (vapours) Rat 4 hours

**Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

**Ingestion.**

Gastrointestinal symptoms, including upset stomach.

**Skin Contact**

Repeated exposure may cause skin dryness or cracking.

**Eye Contact**

Irritating and may cause redness and pain.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:**

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**12.1. Toxicity**

**LC 50, 96 Hrs, Fish mg/l** 1000  
**EC 50, 48 Hrs, Daphnia, mg/l** 1000

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Partition Coefficient** Partition coefficient  
 (n-octanol/water): ~ 0.46 nmp

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

**12.6. Other adverse effects**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**General Information**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**13.1. Waste treatment methods**

Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Make sure containers are empty before discarding (explosion risk).

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

**UN No. (ADR/RID/ADN)** 1263

**14.2 UN Proper Shipping Name**

**Proper Shipping Name** PAINT or PAINT RELATED MATERIAL

**14.3 Transport hazard class(es)**

**ADR/RID/ADN Class** 3  
**ADR/RID/ADN Class** Class 3: Flammable liquids.  
**ADR Label No.** 3  
**Transport Labels**



**14.4. Packing group**

ADR/RID/ADN Packing group III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

EMS F-E, S-E  
 Emergency Action Code 3Y  
 Hazard No. (ADR) 33  
 Tunnel Restriction Code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

**SECTION 15: REGULATORY INFORMATION**

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

**Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**Statutory Instruments**

The Classification, Labelling and Packaging of substances and mixtures Regulations EC 1272/2008 (CLP) and amendments

**Guidance Notes**

Workplace Exposure Limits EH40.

**15.2. Chemical Safety Assessment**

**SECTION 16: OTHER INFORMATION**

**Risk Phrases In Full**

R10 Flammable.  
 R36/37/38 Irritating to eyes, respiratory system and skin.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R61 May cause harm to the unborn child.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

**Hazard Statements In Full**

EUH066 Repeated exposure may cause skin dryness or cracking.  
 H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H360D May damage the unborn child.  
 H412 Harmful to aquatic life with long lasting effects.

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 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 himself as to the suitability of such information for his own particular use.



**SAFETY DATA SHEET**  
**R047 Turps Sub (White Spirit)**

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

**1.1. Product identifier**

**Product Name** R047 Turps Sub (White Spirit)  
**REACH Registration Number** 01-2119458049-33-xxxx  
**EC No.** 919-446-0

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Industrial wood coating.

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

**Supplier:** Morrells Woodfinishes Ltd  
Wellington Works  
Mill Lane, Woodley  
Stockport  
England  
SK6 1RN  
0161 406 5300  
0161 406 6276  
enquiries@morrells.co.uk

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical Flam. Liq. 3 - H226  
Health EUH066;STOT Single 3 - H336;STOT Rep. 1 - H372;Asp. Tox. 1 - H304  
Environmental Aquatic Chronic 2 - H411

**Classification (1999/45)**

Xn;R65. N;R51/53. R10, R66, R67.

**2.2. Label elements**

**EC No.** 919-446-0  
**Contains:** low boiling point hydrogen treated naphtha  
**Label In Accordance With (Ec) No. 1272/2008**



**Signal Word** Danger

**Hazard Statements**

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure in contact with skin.  
H411 Toxic to aquatic life with long lasting effects.

## R047 Turps Sub (White Spirit)

### Supplementary Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+378	In case of fire: Use ... for extinction.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

### Supplemental Label Information

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

### 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

low boiling point hydrogen treated naphtha	60-100%
CAS-No.: 64742-82-1	EC No.: 265-185-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548) Xn;R65. N;R51/53. R10,R66,R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

REACH Registration Number 01-2119458049-33-xxxx

EC No. 919-446-0

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

## R047 Turps Sub (White Spirit)

### **Inhalation.**

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Do Not use mouth to mouth ventilation

### **Ingestion**

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

### **Skin Contact**

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

### **Eye Contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

#### **Inhalation.**

Vapours may cause headache, fatigue, dizziness and nausea. Difficulty in breathing.

#### **Ingestion**

Central nervous system depression. Nausea, vomiting.

#### **Skin Contact**

Prolonged contact may cause redness, irritation and dry skin.

#### **Eye Contact**

Vapour, spray or dust may cause chronic eye irritation or eye damage.

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

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

#### **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**

#### **Hazardous Combustion Products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### **Unusual Fire & Explosion Hazards**

Vapours are heavier than air and may spread near ground to sources of ignition.

#### **Specific Hazards**

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### **Protective Measures In Fire**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Take precautionary measures against static discharges. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Do not smoke, use open fire or other sources of ignition.

### **6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Collect in containers and seal securely. Remove containers and flush area with water.

### **6.4. Reference to other sections**

# R047 Turps Sub (White Spirit)

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid inhalation of vapours/spray and contact with skin and eyes.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Ground container and transfer equipment to eliminate static electric sparks. Flammable/combustible - Keep away from oxidisers, heat and flames.

#### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Ingredient Comments

WEL = Workplace Exposure Limits DNEL = Derived No Effect Level

DNEL	Industry	Dermal	44	mg/kg/day
DNEL	Industry	Inhalation.	330	mg/kg/day

### 8.2. Exposure controls

#### Protective Equipment



#### Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

#### Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use respiratory equipment with gas filter, type A2.

#### Hand Protection

Use protective gloves.

#### Eye Protection

Wear approved safety goggles.

#### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Skin Protection

Wear apron or protective clothing in case of contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Colourless to pale yellow
Odour	Pungent
Initial Boiling Point and Boiling Range:	135-220
Relative Density	.774 to 0.79 15c
Vapour Density (Air=1)	>1
Vapour Pressure	<2.7 kPa 20c
Evaporation Rate	0.13 (EtEt=1)
Flash Point (°C)	39C

## R047 Turps Sub (White Spirit)

Flammability Limit - Lower(%) 0.6  
Flammability Limit - Upper(%) 8

### 9.2. Other information

Volatile Organic Compound (VOC) 780 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

#### **Materials To Avoid**

Strong oxidising substances.

### 10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Carbon.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral LD50)	> 15000 mg/kg Rat
Acute Toxicity (Dermal LD50)	> 3400 mg/kg Rabbit
Acute Toxicity (Inhalation LC50)	13.1 mg/l (vapours) Rat
ATE (Inhalation)	13.1 mg/l (vapours)

#### **Inhalation**

In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

#### **Ingestion.**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Swallowing concentrated chemical may cause severe internal injury. Harmful: may cause lung damage if swallowed.

#### **Skin Contact**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

#### **Eye Contact**

May cause severe irritation to eyes.

#### **Target Organs**

Skin Eyes Respiratory system, lungs

#### **Specific Effects**

May cause damage to the kidneys.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l	10-30 mg/l
EC 50, 48 Hrs, Daphnia, mg/l	10-22 mg/l
IC 50, 72 Hrs, Algae, mg/l	4.6-10 mg/l

### 12.2. Persistence and degradability

#### **Degradability:**

The product is expected to be biodegradable.

## R047 Turps Sub (White Spirit)

### 12.3. Bioaccumulative potential

#### Bioaccumulative Potential:

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### Mobility:

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 PBT or vPvB Substances.

### 12.6. Other adverse effects

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 1300

### 14.2 UN Proper Shipping Name

Proper Shipping Name TURPENTINE SUBSTITUTE (White Spirit)

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group III

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



### 14.6. Special precautions for user

EMS F-E, S-E

Emergency Action Code 3Y

Hazard No. (ADR) 30

Tunnel Restriction Code (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Cat Y

## R047 Turps Sub (White Spirit)

### SECTION 15: REGULATORY INFORMATION

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

##### **Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

##### **Statutory Instruments**

The Classification, Labelling and Packaging of substances and mixtures Regulations EC 1272/2008 (CLP) and amendments

##### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

##### **Guidance Notes**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

#### 15.2. Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

**Revision Date** 03/12/2015

**Revision** 2

**Supersedes Date** 26/01/2012

##### **Risk Phrases In Full**

R10 Flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

##### **Hazard Statements In Full**

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

#### 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 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 himself as to the suitability of such information for his own particular use.