



# WOOD FINISHES DIRECT

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For purchasing information visit:  
[Morrells Induro XLO Natural Parquet Floor Oil](#)

# Product Data Sheet



## Induro Oils : Clear and tinted

Clear Oils			
Code	Description	Code	Description
Induro XLO - 10	Matt Flooring Oil	Thinners	R047 – White Spirits
Induro XLO - 30	Semi Matt Flooring Oil		
Tinted Oils			
Matt Product Code	Description	Semi Matt Product Code -	
7FO/WHITE00/10	White	7FO/WHITE00/30	
7FO/WHIGRY/10	White Grey	7FO/WHIGRY/30	
7FO/WEATH0/10	Weathered	7FO/WEATH0/30	
7FO/LTGREY/10	Light Grey	7FO/LTGREY/30	
7FO/ROUGH0/10	Rough Sawn	7FO/ROUGH0/30	
7FO/OLDWHI/10	Old White	7FO/OLDWHI/30	
7FO/METGRY/10	Metallic Grey	7FO/METGRY/30	
7FO/CHERRY/10	Cherry	7FO/CHERRY/30	
7FO/SMOKED/10	Smoked	7FO/SMOKED/30	
7FO/GREY00/10	Grey	7FO/GREY00/30	
7FO/GOLDEN/10	Golden Oak	7FO/GOLDEN/30	
7FO/LTOAK/10	Light Oak	7FO/LTOAK/30	
7FO/WALNUT10	Walnut	7FO/WALNUT/30	
7FO/BLACK/10	Black	7FO/BLACK/30	

<b>Technical Data</b>	<p>These oils are formulated on a blend of natural oils in combination with urethane for use on all types of solid and engineered flooring.</p> <p>These products are not suitable for areas where high levels of water are present, for example bathrooms and swimming pool walkways etc.</p>
<b>Properties</b>	<p>Induro Oils produce a smooth, natural finish with excellent resistance against water and other household liquids.</p> <p>Oiled finishes are easily and quickly maintained</p>
<b>Colour Matching</b>	<p>Morrells provides a bespoke colour matching service for the Induro oils.</p> <p>All requests for special colours should be accompanied by a sufficient quantity of the timber to be used for the actual job plus full details of application method and finishing system to be employed.</p>
<b>Mixing Guidelines</b>	Supplied ready for use (RFU) but can be thinned upto 15% by volume with the recommended thinner, R047, if required.
<b>Typical Handling</b>	<p>Drying Time: 3 – 4 hours for clears, 4 -6 hours for tinted/pigmented oils.</p> <p>Recoat Time: 3 - 4 hours for clears, 4 -6 hours for tinted/pigmented oils.</p> <p>These times are dependant amounts applied, the absorbency of the wooden</p>



	substrate and application conditions.
<b>Cleaning</b>	R047 – White Spirit should be used for cleaning equipment.
<b>Coverage</b>	Approximately 40 – 60 m <sup>2</sup> per 5Lts dependent upon the application method and absorbency and surface quality of the timber being coated.
<b>System Guidelines</b>	<p>Morrells recommends the following guidance for use of these products :</p> <p>The surface of the timber to be coated should be clean dry and free from oils, greases, waxes, silicones, old finishes etc. **See below for sanding regime.</p> <p><b>Clear Finishes:</b></p> <ul style="list-style-type: none"> <li>○ Apply the oil with a short mohair roller/T-Bar or oil brush at 80 mls/m<sup>2</sup>.</li> <li>○ Allow to dry for 3 - 4 hours, then lightly abrade with a red Scotchbrite pad (or equivalent) on a rotary buffer.</li> <li>○ Apply a second coat of oil and allow 3 – 4 hours to dry.</li> <li>○ Apply further coats as required, ensuring light abrading between coats to aid adhesion and improve the finish.</li> </ul> <p>A natural finish can be readily achieved with 2 – 3 coats of the Induro Oils.</p> <p><b>Wood colour and pigmented finishes:</b></p> <ul style="list-style-type: none"> <li>○ After sanding and cleaning, apply the oil with either roller or brush, and evened out either by buffing by hand or In large areas a light weight buffer with a white pad.</li> <li>○ Tinted/pigmented oils should not be applied in straight lines and left as a "tracking" effect will occur.</li> <li>○ The first coat should be left for 4 -6 hours. Heavily pigmented colours may be slower drying.</li> <li>○ A second coat of either wood color /pigmented color can be applied to achieve a more intense color, or a coat of Induro oil clear can be applied in order to protect the color.</li> <li>○ To increase protection of wood and pigmented colors due to foot traffic a clear coat of Induro XLO 10 or 30 can be applied.</li> </ul> <p>Using these products in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.</p> <p><b>**Wooden floor sanding using sanding machines-</b></p> <ul style="list-style-type: none"> <li>○ Belt sander, edge sander and mono disc sanding machines required.</li> <li>○ Sand in the direction of the grain in even strokes up and down</li> <li>○ For uneven floors (cupping) or block work, please consult technical services.</li> <li>○ 1<sup>st</sup> pass should be completed with 24 or 36 grit belts and then the edge sanded with the identical grit.</li> <li>○ 2<sup>nd</sup> pass with 50 or 60 grit and the edge sanded with identical grits.</li> <li>○ 3<sup>rd</sup> pass with 80 and 100 grit and edge sanded with identical grits.</li> <li>○ Final sanding with a mono disc or trio sander will even out the edge and belt sanding particularly with mosaic or herringbone patterns.</li> </ul> <p><b>Important note :</b> The floor should be swept and vacuumed between sanding grits.</p>



<b>Maintenance</b>	<ul style="list-style-type: none"> <li>○ The use of good quality entrance mats and furniture pads are recommended to avoid damage to the finish.</li> <li>○ Should a liquid spillage occur all excess liquid should be wiped up and removed immediately and not allowed to dwell on the surface. Similarly, spillages of hot or cold cooking oils or fats should be wiped up and removed without delay.</li> <li>○ Sweep or vacuum with a hard-floor attachment as often as possible. As and when required, use a lightly dampened mop on the surface.</li> <li>○ Wet cleaning and vacuuming should be avoided until the lacquer has reached full cure – approx 14 days after application.</li> <li>○ Pets can also traffic grit and dirt on to a floor. Pets claws should be trimmed regularly to reduce scratches/indentation to the finish.</li> <li>○ Marks and stains can be removed with a cloth or mop <b>lightly dampened</b> with Induro GP cleanse (8CL/000) – do not use soaking wet cloth/mop.</li> <li>○ To re-vitalise the appearance of flooring damaged by scratch and scuff marks, first ensure the floor is cleaned and buffed dry then Induro maintenance oil (7RE/251) can be applied by pad across the surface, this can be buffed with an oil cloth.</li> <li>○ If the floor is finished with either wood color or pigmented color worn areas should be refinished prior to applying either the maintenance oil, or in heavy traffic areas a fresh coat of clear Induro oil.</li> </ul> <p>Refer to the induro Wooden Floor Maintenance Guide for information on cleaning and reviving.</p>
<b>Important Information</b>	<ul style="list-style-type: none"> <li>➤ Designed for manual (roller, pad, T-bar etc) application.</li> <li>➤ Always test the product on a spare surface or inconspicuous area to assess compatibility, colour and finish.</li> <li>➤ Colours are only able to be an approximate representation due to the variation in substrate and application methods.</li> <li>➤ Use only the recommended thinner. Use of non-recommended thinner can cause uneven/patchy drying.</li> <li>➤ Sawdust, cloths, brushes, rollers, papers and similar products containing wet product may cause spontaneous combustion. Either allow to fully dry or drench with 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>➤ Finished products should not be subjected to environments with temperatures of &lt; 2°C.</li> <li>➤ In scope of 2004/42/EC.</li> </ul>
<b>Health &amp; Safety</b>	<p>Reference should be made to the appropriate MSDS for these products, which can be found at <a href="http://www.morrells.co.uk">www.morrells.co.uk</a></p> <p>The use of appropriate personal protective equipment (PPE) is recommended.</p> <p>These products are intended for <b>professional use</b> only.</p>



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



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**SAFETY DATA SHEET**  
**induro Flooring Oil**

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

**1.1. Product identifier**

Product Name induro Flooring Oil  
Product No. 7FO/504\*\*

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

**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**

**SECTION 2: HAZARDS IDENTIFICATION**

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

Classification (EC 1272/2008)

Physical	Flam. Liq. 3 - H226
Health	EUH066; Asp. Tox. 1 - H304
Environmental	Not classified.

Classification (1999/45)

Xn; R65. R10, R66.

**2.2. Label elements**

Contains: NAPHTHA PETROLEUM TREATED HEAVY

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.

Precautionary Statements

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

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.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## induro Flooring Oil

P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331	Do NOT induce vomiting.
P370+378	In case of fire: Use ... for extinction.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...
<b>Supplemental Label Information</b>	
EUH066	Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

NAPTHA PETROLEUM TREATED HEAVY		30-60%
CAS-No.: 64742-48-9	EC No.: 265-150-3	
Classification (EC 1272/2008)	Classification (67/548)	
EUH066	Xn;R65.	
Asp. Tox. 1 - H304	R66.	

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

## 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.

#### 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.

#### 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

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing Media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

### 5.2. Special hazards arising from the substance or mixture

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**6.2. Environmental precautions****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. Do not contaminate water sources or sewer.

**6.4. Reference to other sections****SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**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.

**7.3. Specific end use(s)****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
NAPTHA PETROLEUM TREATED HEAVY	WEL	148 ppm	1200 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

**Ingredient Comments**

WEL = Workplace Exposure Limits

**8.2. Exposure controls****Protective Equipment****Engineering Measures**

Provide adequate general and local exhaust ventilation.

**Respiratory Equipment**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

**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.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Flash Point (°C)	>23 T > 60

**9.2. Other information**

Volatile Organic Compound (VOC)	435 g/litre
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**SECTION 10: STABILITY AND REACTIVITY**



#### 10.1. Reactivity

#### 10.2. Chemical stability

Stable under normal temperature conditions.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Avoid contact with acids and oxidising substances.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

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

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Health Warnings

INHALATION. Prolonged inhalation of high concentrations may damage respiratory system. 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. INGESTION. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

##### Target Organs

Skin Eyes Respiratory system, lungs

### SECTION 12: ECOLOGICAL INFORMATION

##### Ecotoxicity:

No data on possible environmental effects have been found.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

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

#### 12.6. Other adverse effects

### 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) 1263

#### 14.2 UN Proper Shipping Name

Proper Shipping Name PAINT or PAINT RELATED PRODUCTS

#### 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 3(b)

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

EMS 3-07  
 Emergency Action Code 3[Y]E  
 Hazard No. (ADR) 33

**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.

**Environmental Listing**

No listing noted.

**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.

**Eu Legislation**

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

## SECTION 16: OTHER INFORMATION

**Risk Phrases In Full**

R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.

**Hazard Statements In Full**

EUH066 Repeated exposure may cause skin dryness or cracking.  
 H304 May be fatal if swallowed and enters airways.

**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.

# Product Data Sheet



## Induro GP Cleanse & Induro XLO Revive : Flooring Maintenance Products

Code	Description	Code	Description
8CL/000	Induro GP Cleanse	7RE/251	Induro XLO Revive

<b>Technical Data</b>	<p>These two products have been specifically developed to compliment Induro XLO finished wooden floors.</p> <p>These products are not suitable for areas where high levels of water are present, for example bathrooms and swimming pool walkways etc.</p>
<b>Properties</b>	These products are formulated as cleaning and maintenance products for reviving dull and scratched oiled flooring back to a "newly" finished appearance.
<b>Mixing Guidelines</b>	<p>Induro GP Cleanse should be diluted with 5 parts water for general cleaning, but can also be used neat for stubborn staining/marking.</p> <p>Induro XLO Revive is supplied ready for use (RFU), thinning is not recommended</p>
<b>Typical Handling</b>	<p>Drying Time: 20 – 30 minutes for the Induro GP Cleanse. 3 – 4 hours for the Induro XLO Revive</p> <p>Light Traffic use 4 hours</p> <p>These times are dependant amounts applied, the absorbency of the wooden substrate and application conditions.</p>
<b>Cleaning</b>	<p>Water should be used to clean the cloths/pads used for the Induro GP Cleanse.</p> <p>R047 – White Spirit should be used for cleaning the Induro XLO Revive equipment.</p>
<b>Coverage</b>	Approximately 20m <sup>2</sup> per 1Lts dependent upon the size, orientation and surface quality of the item being coated.
<b>System Guidelines</b>	<p>Morrells recommends the following guidance for use of these products:</p> <ul style="list-style-type: none"> <li><b>Step 1:</b> moisten a lint free cloth or mohair pad with <b>Induro GP Cleanse</b>, wipe the area turning the cloth or washing the pad as it picks up the dirt residues. When all dirt is removed i.e. when the cloth is clean after wiping the surface, the next process can commence once the floor is dry. If using a scrubbing machine a white (non abrasive pad should be used) and then dried thoroughly.</li> <li><b>Step 2:</b> using a lint free cloth, mohair pad or on larger areas a t-bar apply a thin layer of <b>Induro XLO Revive</b> (7RE/251) evenly over the whole surface working with the grain.</li> </ul>



	<ul style="list-style-type: none"> <li>• <b>Step 3:</b> Ensure no 'pooling' of <b>Induro XLO Revive</b>, allow surface to dry before use.</li> </ul> <p>Using these products in systems outside these guidelines can lead to immediate and latent problems with the appearance and integrity of the finish.</p> <p>Refer to the induro Wooden Floor Maintenance Guide for information on cleaning and reviving.</p>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>○ The use of good quality entrance mats and furniture pads are recommended to avoid damage to the finish.</li> <li>○ Should a liquid spillage occur all excess liquid should be wiped up and removed immediately and not allowed to dwell on the surface. Similarly, spillages of hot or cold cooking oils or fats should be wiped up and removed without delay.</li> <li>○ Sweep or vacuum with a hard-floor attachment as often as possible. As and when required, use a lightly dampened mop on the surface.</li> <li>○ Wet cleaning and vacuuming should be avoided until the lacquer has reached full cure – approx 7 days after application.</li> <li>○ Pets can also traffic grit and dirt on to a floor. Pets claws should be trimmed regularly to reduce scratches/indentation to the finish.</li> </ul> <p>Refer to the induro Wooden Floor Maintenance Guide for information on cleaning and reviving.</p>
<b>Important Information</b>	<ul style="list-style-type: none"> <li>➤ Always test the product on a spare surface or inconspicuous area to assess compatibility and finish.</li> <li>➤ Cloths, brushes, rollers, papers and similar products containing wet Induro XLO Revive may cause spontaneous combustion and therefore should not be left indoors after application. Either allow to fully dry or drench with water before disposal.</li> <li>➤ Products 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>➤ Finished products should not be subjected to environments with temperatures of &lt; 2°C.</li> </ul>
<b>Health &amp; Safety</b>	<p>Reference should be made to the appropriate MSDS for these products, which can be found at <a href="http://www.morrells.co.uk">www.morrells.co.uk</a></p> <p>The use of appropriate personal protective equipment (PPE) is recommended.</p> <p>These products are intended for <b>professional use</b> only.</p>

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





## SAFETY DATA SHEET GP CLEANSE 8CL/000

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

#### 1.1. Product identifier

Product Name GP CLEANSE 8CL/000  
Product No. 8CL/000

#### 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	Not classified.
Health	Not classified.
Environmental	Not classified.

Classification (1999/45) Not classified.

#### 2.2. Label elements

Supplemental Label Information

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

2-BUTOXYETHANOL		1-5%
CAS-No.: 111-76-2	EC No.: 203-905-0	
Classification (EC 1272/2008)	Classification (67/548)	
Acute Tox. 4 - H302	Xn;R20/21/22	
Acute Tox. 4 - H312	Xi;R36/38	
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		

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

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation.**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin Contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**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. Get medical attention if any discomfort continues.

**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**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2. Special hazards arising from the substance or mixture****5.3. Advice for firefighters****SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****6.2. Environmental precautions****6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

**6.4. Reference to other sections****SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.

**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.

**7.3. Specific end use(s)****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)		

WEL = Workplace Exposure Limit.

**8.2. Exposure controls****Protective Equipment**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Use suitable protective gloves if risk of skin contact.

If risk of splashing, wear safety goggles or face shield.

Wear appropriate clothing to prevent any possibility of skin contact.

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

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

<b>Appearance</b>	Liquid
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**Volatile Organic Compound (VOC)** 16 g/litre

### 10.1. Reactivity

## 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 11.1. Information on toxicological effects

## Inhalation

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

**Ingestion.**

May cause discomfort if swallowed.

### Skin Contact

Liquid may irritate skin.

### Eye Contact

Spray and vapour in the eyes may cause irritation and smarting.

**Ecotoxicity:**

Not regarded as dangerous for the environment.

### 12.1. Toxicity

12.2. Persistence and degradability12.3. Bioaccumulative potential12.4. Mobility in soil12.5. Results of PBT and vPvB assessment12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods

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

**SECTION 14: TRANSPORT INFORMATION**

Road Transport Notes Not Classified

Rail Transport Notes Not classified.

Sea Transport Notes Not classified.

Air Transport Notes Not classified.

14.1. UN number14.2 UN Proper Shipping Name14.3 Transport hazard class(es)14.4. Packing group14.5. Environmental hazards14.6. Special precautions for user14.7. 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**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment**SECTION 16: OTHER INFORMATION**

Revision Date 22/02/2016

Revision 2

Supersedes Date 19/12/2011

**Risk Phrases In Full**

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

**Hazard Statements In Full**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.



**SAFETY DATA SHEET  
INDURO XLO REVIVE**

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

**1.1. Product identifier**

Product Name INDURO XLO REVIVE  
Product No. 7RE/251

**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 - H335, H336;Asp. Tox. 1 - H304
Environmental	Aquatic Chronic 2 - H411

**Classification (1999/45)** Xn;R65. Xi;R37. N;R51/53. R10, R66, R67.

**Human Health**

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Harmful if swallowed.

**Environment**

The product contains a substance which is toxic 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**

Contains: NAPHTHA PETROLEUM TREATED HEAVY  
SOLVENT NAPHTHA LOW BOILING POINT

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



Signal Word Danger

**Hazard Statements**

H226 Flammable liquid and vapour.

## INDURO XLO REVIVE

H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statements

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.

### 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
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.
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### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>NAPTHA PETROLEUM TREATED HEAVY</b>		<b>10-30%</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>SOLVENT NAPTHA LOW BOILING POINT</b>		<b>30-60%</b>
<b>CAS-No.: 64742-95-6</b>	<b>EC No.: 265-199-0</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	

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

## 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.

#### **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.

#### **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 affected person from source of contamination. 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

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing Media**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

### 5.2. Special hazards arising from the substance or mixture

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

### 6.2. Environmental precautions

### 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. Do not contaminate water sources or sewer.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### 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.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
NAPTHA PETROLEUM TREATED HEAVY	WEL	148 ppm	1200 mg/m3			
SOLVENT NAPTHA LOW BOILING POINT	WEL	600 ppm				

# INDURO XLO REVIVE

WEL = Workplace Exposure Limit.

## **Ingredient Comments**

WEL = Workplace Exposure Limits

## **8.2. Exposure controls**

### **Protective Equipment**



### **Engineering Measures**

Provide adequate general and local exhaust ventilation.

### **Respiratory Equipment**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

### **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.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

**Appearance** Clear, yellowish liquid

**Flash Point (°C)** Greater than 38C

### **9.2. Other information**

**Volatile Organic Compound (VOC)** 602 g/litre

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

### **10.1. Reactivity**

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

### **10.4. Conditions to avoid**

Avoid contact with acids and oxidising substances.

### **10.5. Incompatible materials**

### **10.6. Hazardous decomposition products**

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

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Inhalation**

Prolonged inhalation of high concentrations may damage respiratory system.

#### **Ingestion.**

Liquid irritates mucous membranes and may cause abdominal pain 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.

# INDURO XLO REVIVE

## Eye Contact

May cause severe irritation to eyes.

## Target Organs

Skin Eyes Respiratory system, lungs

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

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

#### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 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)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

### 14.2 UN Proper Shipping Name

Proper Shipping Name	PAINT OR PAINT RELATED PRODUCT
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### 14.3 Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3.3
ICAO Class/Division	3

Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group	31°(c)
IMDG Packing group	III
ICAO Packing group	III

### 14.5. Environmental hazards

### 14.6. Special precautions for user

EMS	3-05
Emergency Action Code	3Y
Hazard No. (ADR)	30

### 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****Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**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** 24/11/2015

**Revision** 2

**Supersedes Date** 19/12/2011

**Risk Phrases In Full**

R10 Flammable.

R37 Irritating to respiratory system.

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.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

**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.
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### 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)	Classification (67/548)	
Flam. Liq. 3 - H226	Xn;R65.	
EUH066	N;R51/53.	
STOT Single 3 - H336	R10,R66,R67.	
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

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**

## 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
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## 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.

**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

## 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

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