SAFETY DATA SHEET
WHITE SPIRIT

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name WHITE SPIRIT
Product number TWH200, TWH750

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 TETROSYL LIMITED
Bury
Lancashire
England
BL9 7NY
0161 764 5981
0161 797 5899
info@tetrosyl.com

Manufacturer TETROSYL LIMITED
Bury
Lancashire
England
BL9 7NY
0161 764 5981
0161 797 5899
info@tetrosyl.com

1.4. Emergency telephone number
Emergency telephone +44 (0)161 764 5981

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Flam. Liq. 3 - H226
Health hazards STOT SE 3 - H336 STOT RE 1 - H372 Asp. Tox. 1 - H304
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements
Pictogram

Signal word Danger
WHITE SPIRIT

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.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapour/spray.
P264 Wash contaminated skin 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+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

Supplemental label information
EUH066 Repeated exposure may cause skin dryness or cracking.

Contains
HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLICS, (2-25%) AROMATICS

Supplementary precautionary statements
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/spray.
P314 Get medical advice/attention if you feel unwell.
P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures
WHITE SPIRIT

HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLOGEN, (2-25%) AROMATICS

60-100%

CAS number: — EC number: 919-446-0 REACH registration number: 01-2119458049-33-0000

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
STOT RE 1 - H372
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation. Move affected person to fresh air at once. Keep affected person away from heat, sparks and flames. Place unconscious person on the side in the recovery position and ensure breathing can take place. Keep the affected person warm and at rest. Get prompt medical attention.

Inhalation
Remove affected person from source of contamination. 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. Never give anything by mouth to an unconscious person. Keep affected person away from heat, sparks and flames.

Skin contact
Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

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. Do not rub eye. Get medical attention if any discomfort continues.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.

Inhalation
Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Congestion of the lungs may occur, producing severe shortness of breath.

Skin contact
Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact
May cause temporary eye irritation.

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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media suitable for the surrounding fire.

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

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). May form explosive mixture with air at very high concentration.

Hazardous combustion products

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

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use suitable respiratory protection if ventilation is inadequate. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. For personal protection, see Section 8. Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge to the aquatic environment. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

For waste disposal, see Section 13. Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Cover large spillages with alcohol-resistant foam. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections

For waste disposal, see section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
WHITE SPIRIT

Usage precautions
Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Good personal hygiene procedures should be implemented. Mechanical ventilation or local exhaust ventilation may be required. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep container tightly closed. Keep containers upright. Keep only in the original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits
No exposure limits known for ingredient(s).

HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLICS, (2-25%) AROMATICS
Long-term exposure limit (8-hour TWA): WEL 600 mg/m³
Short-term exposure limit (15-minute): WEL
WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection
Provide eyewash station. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
When using do not eat, drink or smoke. Wash hands after contact. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type A2.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.
WHITE SPIRIT

Colour
- Colourless.

Odour
- aromatic hydrocarbons

Odour threshold
- Scientifically unjustified. Scientifically unjustified.

pH
- Scientifically unjustified.

Melting point
- Scientifically unjustified.

Initial boiling point and range
- 150 - 200°C @

Flash point
- >=38°C CC (Closed cup).

Evaporation rate
- 65 (diethyl ether = 1)

Upper/lower flammability or explosive limits
- Lower flammable/explosive limit: 0.7 Upper flammable/explosive limit: 7

Vapour pressure
- <5 kPa @ °C

Vapour density
- Scientifically unjustified.

Relative density
- 0.785g/cm³ @ 20°C

Solubility(ies)
- Immiscible with water.

Auto-ignition temperature
- >230°C

Decomposition Temperature
- Scientifically unjustified.

Viscosity
- 0.95 m²/s @40 @ °C

Explosive properties
- Not determined.

Oxidising properties
- Not determined.

9.2. Other information
- Other information
- None.

Volatile organic compound
- This product contains a maximum VOC content of 795 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
- Oxidising materials.

10.2. Chemical stability
Stability
- Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
- Not relevant.

10.4. Conditions to avoid
Conditions to avoid
- Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials
Materials to avoid
- Strong oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products
- Does not decompose when used and stored as recommended.
# WHITE SPIRIT

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>There is no evidence that the product can cause cancer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General information</td>
<td>Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Not a skin sensitiser.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause temporary eye irritation.</td>
</tr>
<tr>
<td>Acute and chronic health hazards</td>
<td>Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.</td>
</tr>
<tr>
<td>Route of entry</td>
<td>Ingestion.</td>
</tr>
<tr>
<td>Medical considerations</td>
<td>Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.</td>
</tr>
</tbody>
</table>

## SECTION 12: Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours: ~30mg/l mg/l, Algae</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>EC₅₀, 48 hours: 10 - 22mg/l mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>IC₅₀, 72 hours: 4.1mg/l mg/l, Fish</td>
</tr>
<tr>
<td>12.2. Persistence and degradability</td>
<td>The product is biodegradable.</td>
</tr>
<tr>
<td>12.3. Bioaccumulative potential</td>
<td>No data available on bioaccumulation.</td>
</tr>
<tr>
<td>12.4. Mobility in soil</td>
<td>The product is immiscible with water and will spread on the water surface.</td>
</tr>
<tr>
<td>Adsorption/desorption coefficient</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
<td>This substance is not classified as PBT or vPvB according to current EU criteria.</td>
</tr>
<tr>
<td>12.6. Other adverse effects</td>
<td></td>
</tr>
</tbody>
</table>

7/9
WHITE SPIRIT

Other adverse effects
Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods
Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 1300
UN No. (IMDG) 1300
UN No. (ICAO) 1300
UN No. (ADN) 1300

14.2. UN proper shipping name
Proper shipping name (ADR/RID) TURPENTINE SUBSTITUTE
Proper shipping name (IMDG) TURPENTINE SUBSTITUTE (CONTAINS WHITE SPIRIT)
Proper shipping name (ICAO) TURPENTINE SUBSTITUTE
Proper shipping name (ADN) TURPENTINE SUBSTITUTE

14.3. Transport hazard class(es)
ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ADN packing group III
ICAO packing group III

14.5. Environmental hazards
WHITE SPIRIT

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-E, S-E
ADR transport category 3
Emergency Action Code 3Y
Hazard Identification Number 30
(ADR/RID)
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date 04/04/2016
Revision 8
Supersedes date 26/01/2012
SDS status Approved.
Hazard statements in full 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 (Central nervous system) through prolonged or repeated exposure.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.