# 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** 0161 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

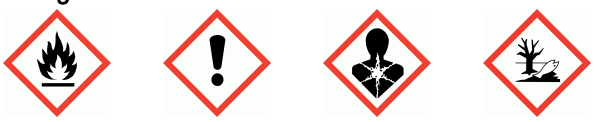
**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. N;R51/53. R10,R66,R67.

### 2.2. Label elements

# WHITE SPIRIT

**Pictogram**



| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statements** | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H336 May cause drowsiness or dizziness.<br>H372 Causes damage to organs through prolonged or repeated exposure.<br>H411 Toxic to aquatic life with long lasting effects. |
| **Precautionary statements** | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P260 Do not breathe vapour/ spray.<br>P264 Wash contaminated skin thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.<br>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.<br>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P312 Call a POISON CENTER/ doctor if you feel unwell.<br>P331 Do NOT induce vomiting.<br>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.<br>P391 Collect spillage.<br>P403+P233 Store in a well-ventilated place. Keep container tightly closed.<br>P405 Store locked up.<br>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.<br>P241 Use explosion-proof electrical equipment.<br>P242 Use only non-sparking tools.<br>P243 Take precautionary measures against static discharge.<br>P261 Avoid breathing vapour/ spray.<br>P314 Get medical advice/ attention if you feel unwell.<br>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, CYCLICS, (2-25%) AROMATICS | | 60-100% |
|---|---|---|
| CAS number: — | EC number: 919-446-0 | REACH registration number: 01-2119458049-33-XXXX |

| Classification | Classification (67/548/EEC or 1999/45/EC) |
|---|---|
| Flam. Liq. 3 - H226<br>STOT SE 3 - H336<br>STOT RE 1 - H372<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 | T; R48/23/24/25. Xn; R65. 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** 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 ($CO_2$). 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

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**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 hands 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.

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| | |
|---|---|
| **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.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Carcinogenicity**

**Carcinogenicity** There is no evidence that the product can cause cancer.

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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

**Skin contact** Not a skin sensitiser.

**Eye contact** May cause temporary eye irritation.

**Acute and chronic health hazards** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Route of entry** Ingestion.

**Medical considerations** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

## 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. The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

### 12.1. Toxicity

**Acute toxicity - fish** $LC_{50}$, 96 hours: ~30mg/l mg/l, Fish

**Acute toxicity - aquatic invertebrates** $EC_{50}$, 48 hours: 10 - 22mg/l mg/l, Daphnia magna

**Acute toxicity - aquatic plants** $IC_{50}$, 72 hours: 4.1mg/l mg/l, Algae

### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is immiscible with water and will spread on the water surface.

**Adsorption/desorption coefficient** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

# WHITE SPIRIT

## 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

**Environmentally hazardous substance/marine pollutant**

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### 14.6. Special precautions for user

| | |
|---|---|
| **EmS** | F-E, S-E |
| **ADR transport category** | 3 |
| **Emergency Action Code** | 3Y |
| **Hazard Identification Number (ADR/RID)** | 30 |
| **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

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|---|---|
| **EU legislation** | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

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|---|---|
| **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. |
| **Risk phrases in full** | R10 Flammable.<br>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R65 Harmful: may cause lung damage if swallowed.<br>R66 Repeated exposure may cause skin dryness or cracking.<br>R67 Vapours may cause drowsiness and dizziness. |
| **Hazard statements in full** | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H336 May cause drowsiness or dizziness.<br>H372 Causes damage to organs through prolonged or repeated exposure.<br>H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.<br>H411 Toxic to aquatic life with long lasting effects. |