



# BARTOLINE WHITE SPIRIT

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.  
Issue date: 24/06/2025 Revision date: 07/07/2026 Supersedes: 29/06/2026 Version: 8.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : BARTOLINE WHITE SPIRIT  
Product code : WS0006 WS2380 WS2382 WS5098 WS5020 WS5070 WS5098 WS5190 WS5400  
WS5246 WS5132 WS5086 WS5247  
Type of product : Detergent  
Synonyms : 19925020 19922380 19925070 19925190 19925400 19925031 19925086 19925132  
19922382 19925246 19925132 19925086 19925247  
Product group : End product

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

##### 1.2.1. Relevant identified uses

Intended for general public

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Tetrosyl Limited  
Newgate House  
Rochdale – Lancashire OL16 1AT  
T 0161 764 5981  
[ataylor@jamesbriggs.co.uk](mailto:ataylor@jamesbriggs.co.uk) - [www.tetrosyl.com](http://www.tetrosyl.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 161 620 5400

| Country/Area   | Organisation                                                                                                   | Emergency number                                   |
|----------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| United Kingdom | National Poisons Information Service (Birmingham Centre).<br>City Hospital.<br>Dudley Road B18 7QH Birmingham. | 0344 892 0111<br>Only for healthcare professionals |

### SECTION 2: Hazards identification

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

##### Classification according to GB CLP (SI 2019:720 as amended)

Flammable liquids, Category 3 H226  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



Signal word (GB CLP)

Contains

Hazard statements (GB CLP)

Precautionary statements (GB CLP)

EUH-statements (GB CLP)

Child-resistant fastening

Tactile warning

: Danger  
: HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS; AROMATIC HYDROCARBONS (<0.1% BENZENE); HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS; HYDROCARBONS, C9, AROMATICS  
: H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H336 - May cause drowsiness or dizziness.  
H412 - Harmful to aquatic life with long lasting effects.  
: 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.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.  
P312 - Call a POISON CENTRE or doctor if you feel unwell.  
P405 - Store locked up.  
Dispose of contents/ container in accordance with local regulations.  
: EUH066 - Repeated exposure may cause skin dryness or cracking.  
: Applicable  
: Applicable

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

| Component                                                                                        |                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII  | HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (64742-48-9), AROMATIC HYDROCARBONS (<0.1% BENZENE) (64742-95-6), HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS, HYDROCARBONS, C9, AROMATICS (128601-23-0) |
| Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII | HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (64742-48-9), AROMATIC HYDROCARBONS (<0.1% BENZENE) (64742-95-6), HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS, HYDROCARBONS, C9, AROMATICS (128601-23-0) |

#### Results of Endocrine Disruptor assessment

| Component                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP | HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS(64742-48-9), HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS, AROMATIC HYDROCARBONS (<0.1% BENZENE)(64742-95-6), HYDROCARBONS, C9, AROMATICS(128601-23-0) |

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                                                  | Product identifier                                                     | %       | Classification according to GB CLP (SI 2019:720 as amended)                                                        |
|-----------------------------------------------------------------------|------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|
| HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS  | CAS-No.: 64742-48-9<br>EC-No.: 918-481-9                               | 25 – 50 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304                                                                            |
| HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS | EC-No.: 919-857-5                                                      | 25 – 50 | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>EUH066                                               |
| AROMATIC HYDROCARBONS (<0.1% BENZENE)                                 | CAS-No.: 64742-95-6<br>EC-No.: 265-199-0<br>UK Index-No.: 649-356-00-4 | 5 – 10  | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411           |
| HYDROCARBONS, C9, AROMATICS                                           | CAS-No.: 128601-23-0<br>EC-No.: 918-668-5                              | 5 – 10  | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066 |

Full text of H- and EUH-statements: see section 16

#### Detergent Regulation (EC 648/2004)

##### Ingredient data sheet

| Component                                                                                                                                                                                                                                                                                                                                                                       | CAS-No.     | %       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|
| HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS                                                                                                                                                                                                                                                                                                            | 64742-48-9  | ≥10%    |
| HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS                                                                                                                                                                                                                                                                                                           |             | ≥10%    |
| Solvent naphtha (petroleum), light arom.; Low boiling point naphtha — unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135 oC to 210 oC (275 oF to 410 oF).] | 64742-95-6  | 1 - 10% |
| HYDROCARBONS, C9, AROMATICS                                                                                                                                                                                                                                                                                                                                                     | 128601-23-0 | 1 - 10% |

##### Labelling of contents

| Component             | %       |
|-----------------------|---------|
| aromatic hydrocarbons | ≥5-<15% |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Remove victim to uncontaminated area. Call a physician immediately.

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|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Move the affected person away from the contaminated area and into the fresh air. Get medical advice/attention. Give oxygen or artificial respiration if necessary. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash with plenty of water/.... Rinse skin with water/shower. Take off immediately all contaminated clothing.                                                                                                                                                                                 |
| First-aid measures after eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse eyes with water as a precaution.                                                                                                                                                                                                         |
| First-aid measures after ingestion    | : Get immediate medical advice/attention. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Keep at rest. Do not induce vomiting. Call a physician immediately.                                                                                                                                                       |
| Self protection of the first-aiders   | : First aid workers will be equipped with suitable personal protective equipment.                                                                                                                                                                                                                                                                                                                                  |

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

|                                     |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : The severity of the symptoms described will vary dependent on the concentration and the length of exposure. May cause drowsiness or dizziness.                                                                                                                                                                                                                                   |
| Symptoms/effects after inhalation   | : None under normal conditions.                                                                                                                                                                                                                                                                                                                                                    |
| Symptoms/effects after skin contact | : Repeated exposure may cause skin dryness or cracking.                                                                                                                                                                                                                                                                                                                            |
| Symptoms/effects after eye contact  | : None under normal conditions.                                                                                                                                                                                                                                                                                                                                                    |
| Symptoms/effects after ingestion    | : Ingestion may cause nausea and vomiting. Abdominal pain, nausea. Swallowing a small quantity of this material will result in serious health hazard. Liquid with low viscosity. May result in aspiration into the lungs. Product entering lungs lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). Risk of lung oedema. |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                                                               |

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

|                                                  |                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Fire hazard                                      | : The vapours are denser than air and may travel along the ground. Distance ignition possible. Flammable liquid and vapour. |
| Explosion hazard                                 | : No direct explosion hazard.                                                                                               |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                                                                                              |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection.                                                                                 |
| Protection during firefighting | : Wear fire/flame resistant/retardant clothing. In confined space use self-contained breathing apparatus. Full face piece respirator. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

## SECTION 6: Accidental release measures

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

|                  |                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Evacuate area. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 6.1.1. For non-emergency personnel

- |                      |                                                                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                                                                            |
| Emergency procedures | : Ventilate spillage area. Land spill. Eliminate all ignition sources. Stop leak if safe to do so. Do not touch or walk on the spilled product. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. |

### 6.1.2. For emergency responders

- |                      |                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".                                                              |
| Emergency procedures | : For further information refer to section 8: "Exposure controls/personal protection". More detailed information: See section 11. For disposal of residues refer to section 13 : Disposal considerations" ". Evacuate unnecessary personnel. Stop leak if safe to do so. |

## 6.2. Environmental precautions

Avoid release to the environment. Very toxic to aquatic life with long lasting effects. Material insoluble in water. may spread in water systems. Do not discharge into drains or the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

- |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Eliminate sources of ignition. No open flames. No smoking. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.                                                                                                                                                                                                                                         |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Stop leak if safe to do so. Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Cover the spilled liquid product with foam to slow down evaporation. Use type. Alcohol resistant foam. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                                                                                                                                                                                                                                                                              |

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Precautions for safe handling     | : Avoid contact with skin and eyes. Eliminate all ignition sources if safe to do so. Containers must be properly grounded before beginning transfer. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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

- |                       |                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures    | : Ground/bond container and receiving equipment.                                                                                                                                                  |
| Storage conditions    | : Keep locked up and out of reach of children. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.                                                       |
| Incompatible products | : Oxidizing agent.                                                                                                                                                                                |
| Packaging materials   | : Carbon steel. Glass. Mild steel. Stainless steel. high density polyethylene (HDPE). Polyethylene terephthalate (PET). Always store product in container of same material as original container. |

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Ensure that there is a suitable ventilation system. Mechanical ventilation is recommended. Avoid inhalation of vapours. Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Wear recommended personal protective equipment.

###### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Chemical goggles or safety glasses. Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
|                |                      |                 | EN 166   |

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Protective gloves

| Hand protection |          |            |                |             |            |
|-----------------|----------|------------|----------------|-------------|------------|
| Type            | Material | Permeation | Thickness (mm) | Penetration | Standard   |
|                 |          |            |                |             | EN ISO 374 |

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| Other skin protection<br>Materials for protective clothing |          |             |
|------------------------------------------------------------|----------|-------------|
| Condition                                                  | Material | Standard    |
|                                                            |          | EN ISO 6530 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Respiratory protection      |                                                           |                   |          |
|-----------------------------|-----------------------------------------------------------|-------------------|----------|
| Device                      | Filter type                                               | Condition         | Standard |
| Wear respiratory protection | Type A - High-boiling (>65 °C) organic compounds, Type P2 | Vapour protection | EN 405   |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Do not exceed the occupational exposure limits (OEL). Assure that emissions are compliant with all applicable air pollution control regulations. Emission reduction measures for the specific use situation has to be evaluated: Gas absorbers and scrubbers for relatively small volume structures. Minimisation of the fumigated volume by inflated balloons for large volume structure (e.g. churches, houses). (fumigation). Control measures to prevent releases. Keep container tightly closed. Dispose of this material and its container at hazardous or special waste collection point. Avoid release to the environment.

#### Other information:

Pregnant/breastfeeding women working with the product must not be in direct contact with it.

If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers. . Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Physical state                                  | : Liquid                         |
| Appearance                                      | : Colourless liquid.             |
| Odour                                           | : Hydrocarbons, aromatic.        |
| Odour threshold                                 | : Not available                  |
| pH                                              | : Not available                  |
| Melting point                                   | : Not applicable                 |
| Freezing point                                  | : Not available                  |
| Boiling point                                   | : 140 – 210 °C                   |
| Flash point                                     | : ≈ 43 °C                        |
| Flammability                                    | : Not applicable                 |
| Explosive limits                                | : Not available                  |
| Vapour pressure                                 | : > 0.0093 kPa @ 20°C            |
| Vapour pressure at 50°C                         | : Not available                  |
| Relative vapour density at 20°C                 | : Not available                  |
| Relative density                                | : 0.77 – 0.799                   |
| Density                                         | : Not available                  |
| Solubility                                      | : Not available                  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                  |
| Auto-ignition temperature                       | : Not available                  |
| Decomposition temperature                       | : Not available                  |
| Viscosity, kinematic                            | : ≤ 20.5 mm²/s 0.95 mm²/s @ 40°C |
| Explosive properties                            | : Not explosive                  |

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Oxidising properties : Not oxidising.

### 9.2. Other information

VOC content : < 785 g/l  
Volatility : Volatile  
Particle characteristics : Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Never pressurise packagings as they will not resist. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (64742-48-9)

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| LD50 dermal rat    | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)    |
| LD50 dermal rabbit | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

#### AROMATIC HYDROCARBONS (<0.1% BENZENE) (64742-95-6)

|                       |                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rabbit    | > 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                         |
| LC50 Inhalation - Rat | > 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),<br>Remarks on results: other: |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.

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|                                                                                             |                                                                                                                       |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>AROMATIC HYDROCARBONS (&lt;0.1% BENZENE) (64742-95-6)</b>                                |                                                                                                                       |
| STOT-single exposure                                                                        | May cause drowsiness or dizziness. May cause respiratory irritation.                                                  |
| <b>HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS</b>             |                                                                                                                       |
| STOT-single exposure                                                                        | May cause drowsiness or dizziness.                                                                                    |
| <b>HYDROCARBONS, C9, AROMATICS (128601-23-0)</b>                                            |                                                                                                                       |
| STOT-single exposure                                                                        | May cause drowsiness or dizziness. May cause respiratory irritation.                                                  |
| STOT-repeated exposure                                                                      | : Not classified                                                                                                      |
| <b>AROMATIC HYDROCARBONS (&lt;0.1% BENZENE) (64742-95-6)</b>                                |                                                                                                                       |
| NOAEL (oral, rat, 90 days)                                                                  | 600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| Aspiration hazard                                                                           | : May be fatal if swallowed and enters airways.                                                                       |
| <b>BARTOLINE WHITE SPIRIT</b>                                                               |                                                                                                                       |
| Viscosity, kinematic                                                                        | ≤ 20.5 mm²/s 0.95 mm²/s @ 40°C                                                                                        |
| <b>HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS (64742-48-9)</b> |                                                                                                                       |
| Viscosity, kinematic                                                                        | 1.8 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'                                                   |

### Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                      |
|-----------------------------------------------------------|------------------------------------------------------|
| Ecology - general                                         | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

### 12.2. Persistence and degradability

|                                                                                             |                        |
|---------------------------------------------------------------------------------------------|------------------------|
| <b>BARTOLINE WHITE SPIRIT</b>                                                               |                        |
| Persistence and degradability                                                               | Not rapidly degradable |
| <b>HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS (64742-48-9)</b> |                        |
| Persistence and degradability                                                               | Not rapidly degradable |
| <b>AROMATIC HYDROCARBONS (&lt;0.1% BENZENE) (64742-95-6)</b>                                |                        |
| Persistence and degradability                                                               | Not rapidly degradable |
| <b>HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS</b>             |                        |
| Persistence and degradability                                                               | Rapidly degradable     |
| <b>HYDROCARBONS, C9, AROMATICS (128601-23-0)</b>                                            |                        |
| Persistence and degradability                                                               | Rapidly degradable     |

### 12.3. Bioaccumulative potential

No additional information available

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Component                                                                         |                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (64742-48-9) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| AROMATIC HYDROCARBONS (<0.1% BENZENE) (64742-95-6)                                | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS             | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| HYDROCARBONS, C9, AROMATICS (128601-23-0)                                         | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |

### 12.6. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Additional information                     | : Flammable vapours may accumulate in the container. Do not re-use empty containers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HP Code                                    | : HP3 - "Flammable:"<br>– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;<br>– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;<br>– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;<br>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;<br>– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;<br>– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.<br>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                    | IMDG    | IATA    | ADN     | RID     |
|------------------------|---------|---------|---------|---------|
| <b>14.1. UN number</b> |         |         |         |         |
| UN 1300                | UN 1300 | UN 1300 | UN 1300 | UN 1300 |

# BARTOLINE WHITE SPIRIT

## Safety Data Sheet

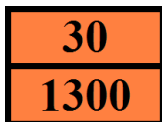
According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

| ADR                                                                               | IMDG                                                                              | IATA                                                                              | ADN                                                                                 | RID                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>14.2. UN proper shipping name</b>                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| TURPENTINE<br>SUBSTITUTE                                                          | TURPENTINE<br>SUBSTITUTE                                                          | Turpentine substitute                                                             | TURPENTINE<br>SUBSTITUTE                                                            | TURPENTINE<br>SUBSTITUTE                                                            |
| <b>Transport document description</b>                                             |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| UN 1300 TURPENTINE<br>SUBSTITUTE, 3, III, (D/E)                                   | UN 1300 TURPENTINE<br>SUBSTITUTE, 3, III                                          | UN 1300 Turpentine<br>substitute, 3, III                                          | UN 1300 TURPENTINE<br>SUBSTITUTE, 3, III                                            | UN 1300 TURPENTINE<br>SUBSTITUTE, 3, III                                            |
| <b>14.3. Transport hazard class(es)</b>                                           |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| 3                                                                                 | 3                                                                                 | 3                                                                                 | 3                                                                                   | 3                                                                                   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| III                                                                               | III                                                                               | III                                                                               | III                                                                                 | III                                                                                 |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Dangerous for the<br>environment: No                                              | Dangerous for the<br>environment: No<br>Marine pollutant: No                      | Dangerous for the<br>environment: No                                              | Dangerous for the<br>environment: No                                                | Dangerous for the<br>environment: No                                                |
| No supplementary information available                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

### 14.6. Special precautions for user

#### Overland transport

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (ADR)                                 | : F1                      |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T2                      |
| Portable tank and bulk container special provisions (ADR) | : TP1                     |
| Tank code (ADR)                                           | : LGBF                    |
| Vehicle for tank carriage                                 | : FL                      |
| Transport category (ADR)                                  | : 3                       |
| Special provisions for carriage - Packages (ADR)          | : V12                     |
| Special provisions for carriage - Operation (ADR)         | : S2                      |
| Hazard identification number (Kemler No.)                 | : 30                      |
| Orange plates                                             | :                         |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code                      | : 3Y  |

#### Transport by sea

|                                 |              |
|---------------------------------|--------------|
| Special provisions (IMDG)       | : 223        |
| Limited quantities (IMDG)       | : 5 L        |
| Excepted quantities (IMDG)      | : E1         |
| Packing instructions (IMDG)     | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03      |
| Tank instructions (IMDG)        | : T2         |
| Tank special provisions (IMDG)  | : TP1        |
| EmS-No. (Fire)                  | : F-E        |

# BARTOLINE WHITE SPIRIT

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

EmS-No. (Spillage) : S-E  
Stowage category (IMDG) : A  
Properties and observations (IMDG) : Immiscible with water.

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y344  
PCA limited quantity max net quantity (IATA) : 10L  
PCA packing instructions (IATA) : 355  
PCA max net quantity (IATA) : 60L  
CAO packing instructions (IATA) : 366  
CAO max net quantity (IATA) : 220L  
Special provisions (IATA) : A3  
ERG code (IATA) : 3L

### Inland waterway transport

Classification code (ADN) : F1  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : F1  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T2  
Portable tank and bulk container special provisions (RID) : TP1  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE4  
Hazard identification number (RID) : 30

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. National regulations

##### UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

##### UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

##### UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

##### Detergent Regulation (EC 648/2004)

Contains no ingredient(s) required to be listed according to the Detergent Regulation (648/2004).

##### GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

# BARTOLINE WHITE SPIRIT

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

### Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

### Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

### Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

### 15.1.2. Other Information

VOC content : < 785 g/l

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| BS EN                       | British Standard                                                                                |
| CAS-No.                     | Chemical Abstracts Service number                                                               |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |
| ED                          | Endocrine disruptor                                                                             |
| IARC                        | International Agency for Research on Cancer                                                     |
| IATA                        | International Air Transport Association                                                         |
| IMDG                        | International Maritime Dangerous Goods                                                          |
| LC50                        | Median lethal concentration                                                                     |
| LD50                        | Median lethal dose                                                                              |
| LOAEL                       | Lowest Observed Adverse Effect Level                                                            |
| NOAEC                       | No-Observed Adverse Effect Concentration                                                        |

# BARTOLINE WHITE SPIRIT

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| NOAEL                       | No-Observed Adverse Effect Level                                             |
| NOEC                        | No-Observed Effect Concentration                                             |
| N.O.S.                      | Not Otherwise Specified                                                      |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit                                                  |
| PBT                         | Persistent Bioaccumulative Toxic                                             |
| PNEC                        | Predicted No-Effect Concentration                                            |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet                                                            |
| STP                         | Sewage treatment plant                                                       |
| ThOD                        | Theoretical oxygen demand (ThOD)                                             |
| TLM                         | Median Tolerance Limit                                                       |
| VOC                         | Volatile Organic Compounds                                                   |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |

| Full text of H- and EUH-statements: |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2      |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3      |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                          |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                          |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| 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.                       |
| H412                                | Harmful to aquatic life with long lasting effects.                     |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.                  |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                       |
|---------------------------------------------------------------------------------------------------------------------------|------|-----------------------|
| Flam. Liq. 3                                                                                                              | H226 | On basis of test data |
| STOT SE 3                                                                                                                 | H336 | Calculation method    |
| Asp. Tox. 1                                                                                                               | H304 | Calculation method    |
| Aquatic Chronic 3                                                                                                         | H412 | Calculation method    |

Safety Data Sheet (SDS), UK

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.