

# **Barrettine**

## SAFETY DATA SHEET Turpentine Substitute

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

#### 1.1. Product identifier

Product name Turpentine Substitute  
Product number TUSUGEN  
SDS number 10322  
REACH registration number 01-2119458049-xxxx  
EC number 919-446-0

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

Identified uses For thinning paint, degreasing, brush maintenance, etc.

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

Supplier Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY  
Tel: 0117 960 0060  
Fax: 0117 935 2437  
sales@barrettine.co.uk

#### 1.4. Emergency telephone number

Emergency telephone +44 (0) 1270 502891

### SECTION 2: Hazards identification

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

##### Classification

##### 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

EC number 919-446-0

##### Pictogram



Signal word

Danger

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## Hazard statements

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

## Precautionary statements

P102 + P405 Keep out of reach of children. Store locked up.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing vapour/spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P331 Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P501 Dispose of contents/container in accordance with local regulations.

## Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

## Contains

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

## Supplementary precautionary statements

P403+P235 Store in a well-ventilated place. Keep cool.

## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	60-100%
CAS number: — EC number: 919-446-0 REACH registration number: 01-2119458049-33-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	Xn;R65. N;R51/53. R66,R67,R10.
STOT SE 3 - H336	
STOT RE 1 - H372	
Asp. Tox. 1 - H304	
STOT SE 3 - H336	
Aquatic Chronic 2 - H411	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Move affected person to fresh air at once. Get medical attention if any discomfort continues. Keep away from heat, sparks and open flame.

##### Inhalation

Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention

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immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

## **Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. Launder clothing before reuse.

## **Eye contact**

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get immediate medical attention.

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

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

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguish with water spray, foam, carbon dioxide, dry powder, sand, dolomite or other inert material. Do not use high pressure water jet as this may spread burning material.

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

#### **Specific hazards**

Decomposition / combustion products include: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

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

#### **Protective actions during firefighting**

Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out.

#### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## **SECTION 6: Accidental release measures**

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

#### **Personal precautions**

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

### **6.2. Environmental precautions**

#### **Environmental precautions**

Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable inert absorbent material. Prevent further spillage if safe to do so. In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

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

#### **Methods for cleaning up**

Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

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

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Usage precautions**

Avoid spilling. Avoid contact with skin and eyes. Use only with adequate ventilation. Do not breathe vapour or mist.

Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres.

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

### **Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Store away from oxidising materials, acids and bases or damp conditions.

## **7.3. Specific end use(s)**

### **SECTION 8: Exposure Controls/personal protection**

#### **8.1. Control parameters**

##### **Occupational exposure limits**

##### **hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Long-term exposure limit (8-hour TWA): WEL 330 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

##### **Ingredient comments**

WEL = Workplace Exposure Limits

##### **hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

DNEL

Industry - Inhalation; Long term systemic effects: 330 mg/m<sup>3</sup>

Industry - Dermal; Long term systemic effects: 44 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 71

Consumer - Dermal; Long term systemic effects: 26 mg/kg/day

Consumer - Oral; Long term systemic effects: 26 mg/kg/day

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

##### **Eye/face protection**

The following protection should be worn: Chemical splash goggles.

##### **Hand protection**

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

##### **Other skin and body protection**

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

##### **Hygiene measures**

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

##### **Respiratory protection**

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

### **SECTION 9: Physical and Chemical Properties**

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

##### **Appearance**

Liquid.

##### **Colour**

Clear liquid. Colourless.

##### **Odour**

Hydrocarbons.

##### **Initial boiling point and range**

150 - 200°C @ °C at 760 mmHg

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**Flash point**

40°C.°C

**Upper/lower flammability or explosive limits**

Lower flammable/explosive limit: 0.7 Upper flammable/explosive limit: 7.0

**Vapour pressure**

1.9 hPa @ °C

**Relative density**

0.785 @ @ 15°C.°C

**Solubility(ies)**

Immiscible with water.

**Auto-ignition temperature**

230°C.°C

**Viscosity**

0.95 cSt @ 25°C.°C

**9.2. Other information****Volatile organic compound**

This product contains a maximum VOC content of 100 % (EC/1999/13).

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**SECTION 10: Stability and reactivity**

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**10.1. Reactivity****10.2. Chemical stability****Stability**

Stable under normal conditions of storage and use. See section 7.

**10.3. Possibility of hazardous reactions****10.4. Conditions to avoid**

Avoid contact with the following materials: Acids. Oxidising agents. Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials****10.6. Hazardous decomposition products**

Fires or excessive heat may give off toxic fumes and gases. Decomposition products may include carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

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**SECTION 11: Toxicological information**

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**11.1. Information on toxicological effects****Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.

**Ingestion**

Harmful if swallowed accidentally. Can cause severe irritation of mucous membranes and the respiratory tract. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause narcosis, intoxication and pulmonary oedema.

**Skin contact**

Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

**Eye contact**

May cause severe eye irritation.

**Acute and chronic health hazards**

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The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

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**SECTION 12: Ecological Information**

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**Ecotoxicity**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. This material should not be allowed into drains, sewers or other water courses.

**12.1. Toxicity****Acute toxicity - fish**

LC50, 96 hours: 10 mg/l, Onchorhynchus mykiss (Rainbow trout) LC50, 96 hours: 10 mg/l, Fish

**Acute toxicity - aquatic invertebrates**

EC50, 48 hours: 10 mg/l, Daphnia magna EC50, 48 hours: 10 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**

EC50, 72 hours: 4.1 mg/l, Scenedesmus subspicatus IC50, 72 hours: 4.6 - 10 mg/l, Algae

**12.2. Persistence and degradability****Persistence and degradability**

Readily biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

**12.4. Mobility in soil****Mobility**

Moderately volatile liquid which may spread given a large surface area of water. The product has limited mobility in soil but will slowly evaporate from the surface.

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

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods****General information**

Empty containers may contain residual product and flammable vapours. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Product is hazardous waste. Do not allow into drains, sewers or water courses. Disposal must be by means of a licensed waste contractor.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do NOT Incinerate the container even when empty.

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**SECTION 14: Transport information**

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**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

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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  
 ICAO packing group III  
 ADN packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

### 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 MARPOL73/78 and the IBC Code

## SECTION 15: Regulatory information

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

#### National regulations

Retail packs require a child resistant closure to BS EN ISO 28317 & a Tactile Warning Triangle.

#### EU legislation

EC Regulation 1907/2006 (as amended) : 'REACH'. Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures). ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

#### Guidance

The storage of flammable liquids in containers HSG51 (HSE 1998). Introduction to Local Exhaust Ventilation HS(G)37. Workplace Exposure Limits EH40/2007 (as amended). CHIP for everyone HSG228. Approved Classification and Labelling

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guide (Sixth edition). Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4). HSE Books, or download at: <http://www.hse.gov.uk/pubns/books/1131.htm> The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l15.pdf>

### 15.2. Chemical safety assessment

#### SECTION 16: Other information

##### Key literature references and sources for data

Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and Supplier's safety data sheet.

##### Revision comments

N.B.: Significant changes are indicated by lines in the left-hand margin. Revised using relevant REACH information. REACH registration number(s) added.

**Revision date** 24/02/2015

**Revision** 1

**Supersedes date** 16/02/2015

**SDS number** 10322

##### Risk phrases in full

R10 Flammable.

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

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

##### Hazard statements in full

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

#### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.