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**Safety Data Sheet**

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**Product Name:** TYREFIX**Creation Date:** 16/11/16**Replaces:** 10/10/12

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

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**1.1. Product Identifier**

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SCOTT'S TYREFIX

Aerosol

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

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Car Care.

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

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Scotts Trading  
6 Hessary Street  
Poundbury, Dorchester  
Dorset, DT1 3SF  
Tel: +44 (0)1305 260555  
EM: [sales@scottstrading.com](mailto:sales@scottstrading.com)

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**1.4. Emergency telephone number**

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Tel: +44 (0)1305 260555

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**SECTION 2: Hazards Identification**

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**2.1 Classification of the substance or mixture**

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Classification (EC 1272/2008)

**Physical hazards:** Aerosol 1 – H222, H229**Health hazards:** Not Classified**Environmental hazards:** Not Classified**Classification:** F+; R12  
(67/548/EEC or 1999/45/EC)

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**2.2 Label elements**

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**Label elements (Pictogram):**

<b>Signal word:</b>	Danger.
<b>Hazard statements:</b>	H222: Extremely flammable aerosol. H229: Pressurised container: may burst if heated.
<b>Precautionary statements:</b>	P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P261: Avoid breathing vapour/spray. P271: Use only outdoors or in a well-ventilated area. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501: Dispose of contents/container in accordance with national regulations.

### 2.3 Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### HYDROCARBON PROPELLANT

EC no:	CAS	Classification (67/548/EEC or 1999/45/EC)	Classification	Percent
270-704-2	68476-85-7	F+; R12.	Flam. Gas 1 - H220; Press. Gas, Liquefied - H280.	30-60%

The full test for all R-Phrases and hazard statements are displayed in Section 16.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion:</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact:</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact:</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>Inhalation:</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion:</b>	May cause discomfort.

**Skin contact:** Prolonged contact may cause dryness of the skin.

**Eye contact:** My cause discomfort.

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

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**Notes for the doctor:** Treat symptomatically.

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**SECTION 5: Firefighting Measures**

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**5.1. Extinguishing media**

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**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

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

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**Specific hazards:** Extremely flammable aerosol. Pressurised container: may burst if heated.

**Hazardous combustion products:** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>)

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**5.3 Advice for Fire fighters**

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**Protective actions during firefighting:** Containers close to fire should be removed or cooled with water.

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**SECTION 6: Accidental Release Measures**

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

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**Personal precautions:** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.

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**6.2 Environmental precautions**

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**Environmental precautions:** Do not discharge into drains or watercourses or onto the ground.

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

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**Methods for cleaning up:** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal

securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

For personal protection, see Section 8.

### SECTION 7: Handling & Storage

#### 7.1. Precautions for safe handling

**Usage precautions:** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not eat, drink or smoke when using the product. Wash skin thoroughly after handling.

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

**Storage precautions:** Store at temperatures between 4°C and 40°C.

**Storage class:** Flammable compressed gas storage.

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

Car Care - see Section 1.2.

### SECTION 8: Exposure Controls & Personal Protection

#### 8.1. Control parameters Occupational exposure limits

##### HYDROCARBON PROPELLANT

	LTEL 8 hr TWA	15 min. STEL	8 hour TWA	15 min STEL
	WEL 1000ppm 1750mg/m <sup>3</sup>	WEL 1250ppm 2180mg/m <sup>3</sup>		

WEL = Workshop Exposure Limit

#### 8.2 Exposure controls

##### Protective equipment:



##### Appropriate engineering controls:

Provide adequate ventilation.

##### Eye/face protection:

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective

equipment for eye and face protection should comply with European Standard EN166.

**Hand protection:**

Chemical resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. It is recommended that gloves are made of the following material: Neoprene. Thickness: > 0.46 mm Nitrile rubber. Thickness: > 0.28mm Rubber (natural, latex). Thickness: > 0.48mm Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

**Hygiene measures:**

Wash hands thoroughly after handling.

**SECTION 9: Physical & Chemical Properties****9.1. Information on basic physical and chemical properties**

<b>Appearance:</b>	Aerosol.
<b>Colour:</b>	White.
<b>Odour:</b>	Mild.
<b>pH:</b>	Not applicable.
<b>Solubility(ies):</b>	Miscible with water.

**9.2. Other information**

Not determined.

**SECTION 10: Stability & Reactivity****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

Not determined.

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

### 10.5 Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

<b>Inhalation:</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion:</b>	May cause discomfort.
<b>Skin contact:</b>	Prolonged contact may cause dryness of the skin.
<b>Eye contact:</b>	May cause discomfort.

#### Toxicological information on ingredients:

#### HYDROCARBON PROPELLANT

**Toxicological effects:** No information available.

#### Acute Toxicity - inhalation

**Acute toxicity inhalation (LC50 vapours mg/l):** 20.01

**Species:** Rat

**ATE inhalation (vapours mg/l):** 20.01

**Reproductive toxicity development:** No information available.

## SECTION 12: Ecological Information

**Ecotoxicity:** The product is not expected to be hazardous to the environment

### 12.1. Toxicity

**Acute toxicity – fish:** Not determined.

#### Ecological information on ingredients:

#### HYDROCARBON PROPELLANT

**Acute toxicity – fish:** Not determined.

**12.2. Persistence and Degradability**

The product is expected to be biodegradable.

**12.3. Bioaccumulative potential**

This product is not bioaccumulating.

**12.4. Mobility in soil**

The product has poor water-solubility. The product is partly miscible with water and may spread in the aquatic environment.

**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**

Not determined.

**SECTION 13: Disposal Considerations****13.1. Waste treatment methods**

**Disposal methods:** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

**SECTION 14: Transport Information****14.1. UN number**

UN No. (ADR/RID): 1950

UN No. (IMDG): 1950

UN No. (ICAO): 1950

**14.2. UN proper shipping name**

**Proper shipping name:** AEROSOLS  
(ADR/RID)

**Proper shipping name:** AEROSOLS  
(IMDG)

**Proper shipping name (ICAO):** AEROSOLS

**14.3. Transport hazard class(es)**

ADR/RID class: 2.1

ADR/RID classification code: 5F

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**Safety Data Sheet**

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Tyrefix

IMDG class: 2.1

ICAO class/division: 2.1

Transport labels:



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**14.4. Packing group**

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Not applicable.

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**14.5 Environmental hazards**

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Environmentally hazardous: No.

Marine pollutant: No.

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**14.6. Special Precautions for User**

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Tunnel restriction code: (D)

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**14.7. Transport in bulk according to Annex 11 of MARPOL73/78 and the IBC code**

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Transport in bulk according to  
Annex 11 of MARPOL73/78  
and the IBC code: Not applicable.

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**SECTION 15: Regulatory Information**

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

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**National regulations:** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation:** Commission Regulation (EU) No 453/2010 of 20/5/2010.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance:** Workplace Exposure Limits EH40.

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**15.2. Chemical safety assessment**

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**SECTION 16: Other Information**

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**Abbreviations and acronyms used in safety data sheet:** ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.



IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
vPvB: Very Persistent and Very Bioaccumulative.

**Revision phrases in full:**

R12: Extremely flammable

**Hazard statements in full:**

H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H229: Pressurised container: may burst if heated.  
H280: Contains gas under pressure: may explode if heated.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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