



## SAFETY DATA SHEET 2K FILLER

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

#### 1.1. Product identifier

**Product name** 2K FILLER

**Product number** TTK002, TTK035, TTK250, TTK600, TTK001

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

**Identified uses** Car maintenance product.

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

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

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)161 764 5981

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT RE 1 - H372

**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.

## 2K FILLER

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe vapour/ spray.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

STYRENE

### Supplementary precautionary statements

P233 Keep container tightly closed.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P264 Wash contaminated skin thoroughly after handling.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P314 Get medical advice/ attention if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P235 Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>CALCIUM CARBONATE</b>	<b>30-&lt;60%</b>
CAS number: 1317-65-3	
<b>Classification</b>	
Not Classified	

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<b>STYRENE</b>		<b>10-&lt;30%</b>
CAS number: 100-42-5	EC number: 202-851-5	REACH registration number: 01-2119457861-32-0017
<b>Classification</b>		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Repr. 2 - H361d		
STOT RE 1 - H372		
<b>ISOPENTANE</b>		<b>0.1-&lt;0.3%</b>
CAS number: 78-78-4	EC number: 201-142-8	
<b>Classification</b>		
Flam. Liq. 2 - H225		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
<b>1-METHOXY-2-PROPANOL</b>		<b>0.001 - &lt;0.1%</b>
CAS number: 107-98-2	EC number: 203-539-1	
<b>Classification</b>		
Flam. Liq. 3 - H226		
STOT SE 3 - H336		

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **General information**

Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation. Get medical attention. CAUTION! First aid personnel must be aware of own risk during rescue! Move affected person to fresh air at once. Keep affected person away from heat, sparks and flames. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place.

##### **Inhalation**

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel. Place unconscious person on their side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration.

##### **Ingestion**

Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. Never give anything by mouth to an unconscious person. Keep affected person away from heat, sparks and flames. Place unconscious person on their side in the recovery position and ensure breathing can take place.

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**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Use suitable lotion to moisturise skin. Get medical attention promptly if symptoms occur after washing.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention if any discomfort continues.

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

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

**Inhalation** In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Vapours may cause headache, fatigue, dizziness and nausea. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

**Ingestion** May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. May cause chemical burns in mouth and throat. Central nervous system depression. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

**Skin contact** Prolonged contact may cause redness, irritation and dry skin.

**Eye contact** Irritation, burning, lachrymation, blurred vision after liquid splash.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.

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

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

**Specific hazards** The product is flammable. Forms 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. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

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

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Risk of re-ignition after fire has been extinguished. Risk of explosion. Cool containers exposed to flames with water until well after the fire is out. Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

**Special protective equipment for firefighters** Leave danger zone immediately.

## SECTION 6: Accidental release measures

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

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### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. Take precautionary measures against static discharges. No smoking, sparks, flames or other sources of ignition near spillage. Do not breathe vapour. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

#### Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge to the aquatic environment.

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

#### Methods for cleaning up

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

### 6.4. Reference to other sections

#### Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Vapours may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Good personal hygiene procedures should be implemented. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Mechanical ventilation or local exhaust ventilation may be required.

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

#### Storage precautions

Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Keep only in the original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures. Store away from the following materials: Oxidising materials.

#### Storage class

Flammable liquid storage.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limits known for ingredient(s).

## CALCIUM CARBONATE

## 2K FILLER

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

### STYRENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m<sup>3</sup>

### ISOPENTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m<sup>3</sup>

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

### 1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 375 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 560 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Use explosion-proof general and local exhaust ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

### Eye/face protection

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

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

### Hygiene measures

Provide eyewash station. Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke. Contaminated clothing should be placed in a closed container for disposal or decontamination.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type AX.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Viscous liquid.
Colour	Beige.
Odour	Characteristic. Solvent.

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<b>pH</b>	Scientifically unjustified.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	145°C @ 1.013 hPa
<b>Flash point</b>	31°C
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.15g/cm <sup>3</sup> @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	>10000 cP @ 20°C

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Vapours may form explosive mixtures with air.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** May polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 27,016.89

**ATE inhalation (vapours mg/l)** 66.04

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**ATE inhalation (dusts/mists mg/l)** 9.01

<b>General information</b>	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. The product contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
<b>Inhalation</b>	Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.
<b>Ingestion</b>	May cause nausea, headache, dizziness and intoxication. Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	Irritating to skin. Prolonged contact may cause dryness of the skin. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Vapour or spray in the eyes may cause irritation and smarting.
<b>Acute and chronic health hazards</b>	This chemical can be hazardous when inhaled and/or touched. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. May cause severe internal injury. Vapour from this product may be hazardous by inhalation.
<b>Route of exposure</b>	Inhalation Ingestion. Skin and/or eye contact Skin absorption
<b>Medical symptoms</b>	Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.
<b>Medical considerations</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 12.1. Toxicity

##### Acute aquatic toxicity

##### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: 25 (Styrene) mg/l, Fish

##### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, 48 hours: 23 (Styrene) mg/l, Daphnia magna

##### Acute toxicity - aquatic plants

IC<sub>50</sub>, 72 hours: 4.7 (Styrene) mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

##### Adsorption/desorption coefficient

Not available.

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



## 2K FILLER

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

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

**Disposal methods** Confirm disposal procedures with environmental engineer and local regulations. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion. Reuse or recycle products wherever possible.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID) 3269

UN No. (IMDG) 3269

UN No. (ICAO) 3269

UN No. (ADN) 3269

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** POLYESTER RESIN KIT

**Proper shipping name (IMDG)** POLYESTER RESIN KIT

**Proper shipping name (ICAO)** POLYESTER RESIN KIT

**Proper shipping name (ADN)** POLYESTER RESIN KIT

### 14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F3

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

**2K FILLER**

ADN packing group III

ICAO packing group III

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

EmS F-E, S-D

ADR transport category 3

Tunnel restriction code (E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.**Issued by** Health & Safety Department**Revision date** 25/11/2015**Revision** 10**Supersedes date** 21/05/2015**SDS status** Approved.

**Hazard statements in full** H220 Extremely flammable gas.  
 H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H361d Suspected of damaging the unborn child.  
 H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure.