

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	TKK002, TKK035, TKK250, TKK600, TKK001
1.2. Relevant identified use	s of the substance or mixture and uses advised against
Identified uses	Household 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 (24 hrs)
SECTION 2: Hazards ident	ification
2.1. Classification of the su	bstance or mixture
Classification (SI 2019 No.	720)
Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361d STOT RE 1 - H372
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	





Signal word

Hazard statements

Danger H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements	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.
	P233 Keep container tightly closed.
	P260 Do not breathe vapour/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	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.
	P332+P313 If skin irritation occurs: Get medical advice/ attention.
	P337+P313 If eye irritation persists: Get medical advice/ attention.
	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.
	P501 Dispose of contents/ container in accordance with national regulations.
Contains	STYRENE, 2,2'-(M-TOLYLIMINO)DIETHANOL, MALEIC ANHYDRIDE
Supplementary precautionary	P201 Obtain special instructions before use.
statements	P202 Do not handle until all safety precautions have been read and understood.
	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.
	P261 Avoid breathing vapour/ spray.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P308+P313 IF exposed or concerned: Get medical advice/ attention.
	P314 Get medical advice/ attention if you feel unwell.
	P321 Specific treatment (see medical advice on this label).
	P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P405 Store locked up.

2.3. Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients		
3.2. Mixtures		
DOLOMITE		30-<60%
CAS number: 16389-88-1	EC number: 240-440-2	
Classification Not Classified		
		20 ~60%
CALCIUM CARBONATE		30-<60%
CAS number: 1317-65-3	EC number: 215-279-6	
Classification		
Not Classified		

STYRENE		10-<30%
CAS number: 100-42-5	EC number: 202-851-5	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT RE 1 - H372		
2,2'-(M-TOLYLIMINO)DIETHANOL		0.1-<0.3%
CAS number: 91-99-6	EC number: 202-114-8	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1B - H317 STOT RE 2 - H373		
ETHANOL		0.1-<0.3%
CAS number: 64-17-5 Classification Flam. Liq. 2 - H225	EC number: 200-578-6	
IPA		<0.1
CAS number: 67-63-0	EC number: 200-661-7	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
PROPAN-1-OL		-<0.05
CAS number: 71-23-8	EC number: 200-746-9	
Classification Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336		

-<0.05

2K FILLER

MALEIC ANHYDRIDE -<0.05

CAS number: 108-31-6

EC number: 203-571-6

UK REACH registration number: UK-01-3403519668-1-0000

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1A - H317 STOT RE 1 - H372

BUTANONE

CAS number: 78-93-3 EC number: 201-159-0

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 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.
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 immedia	te medical attention and special treatment needed
Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
SECTION 5: Firefighting meas	sures
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 fro	om the substance or mixture
Specific hazards	Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. The product is highly 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	e 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. 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 precautionsKeep 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 classFlammable liquid storage.7.3. 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

DOLOMITE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³

CALCIUM CARBONATE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

STYRENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m³ Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m³

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³ Short-term exposure limit (15-minute): WEL

IPA

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³ Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

PROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 500 mg/m3(Sk) Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 625 mg/m3(Sk)

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m³ Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m³ Sk

WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin.

MALEIC ANHYDRIDE (CAS: 108-31-6)

DNEL	Workers - Dermal; Long term systemic effects: 0.2 mg/kg Workers - Dermal; Short term systemic effects: 0.2 mg/kg Workers - Inhalation; Long term systemic effects: 0.19 mg/m ³ Workers - Inhalation; Long term local effects: 0.32 mg/m ³ Workers - Inhalation; Short term systemic effects: 0.95 mg/m ³ Workers - Inhalation; Short term local effects: 0.2 mg/m ³ General population - Dermal; Long term systemic effects: 0.1 mg/kg General population - Dermal; Short term systemic effects: 0.1 mg/kg General population - Inhalation; Long term systemic effects: 0.05 mg/m ³ General population - Inhalation; Long term systemic effects: 0.08 mg/m ³ General population - Oral; Long term systemic effects: 0.106 mg/kg
PNEC	Fresh water; 0.1 mg/l marine water; 0.007 mg/l Sediment (Freshwater); 0.334 mg/kg Sediment (Marinewater); 0.006 mg/kg Soil; 0.01 mg/kg STP; 4.46 mg/kg
8.2. Exposure controls Protective equipment	



Appropriate engineering controls

Eye/face protection



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.

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	Paste.
Colour	Straw.
Odour	Solvent.
рН	Not determined.
Melting point	Not determined.
Initial boiling point and range	145°C @ 1013 hPa
Flash point	31°C
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.12g/cm³ @ 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	>10000 cP @ 20°C
9.2. Other information	
Other information	None.
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Departingity	Vanaura may farm avalacive mixtures with air

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	Not relevant.
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 decompositio	on 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 inf	formation
11.1. Information on toxicologi	cal effects
Toxicological effects	No information available.
Acute toxicity - oral Summary	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Summary	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Summary	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	27,951.67
ATE inhalation (vapours mg/l)	68.33
ATE inhalation (dusts/mists mg/l)	9.32
Skin corrosion/irritation Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation Summary	Based on available data the classification criteria are not met.
Respiratory sensitisation Summary	Based on available data the classification criteria are not met.
Skin sensitisation Summary	Based on available data the classification criteria are not met.
Germ cell mutagenicity Summary	Based on available data the classification criteria are not met.
Carcinogenicity Summary	Based on available data the classification criteria are not met.
Reproductive toxicity Summary	Based on available data the classification criteria are not met.

Reproductive toxicity - development	Suspected of damaging the unborn child.	
Specific target organ toxicity -	single exposure	
Summary	Based on available data the classification criteria are not met.	
Specific target organ toxicity -	repeated exposure	
Summary	Based on available data the classification criteria are not met.	
Aspiration hazard		
Summary	Based on available data the classification criteria are not met.	
General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.	
Inhalation	Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness.	
Ingestion	May cause internal injury. May cause nausea, headache, dizziness and intoxication.	
Skin contact	Repeated exposure may cause skin dryness or cracking. Causes skin irritation. May cause an allergic skin reaction.	
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Vapour or spray in the eyes may cause irritation and smarting.	
Acute and chronic health hazards	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. May cause damage to organs through prolonged or repeated exposure.	
Route of exposure	Inhalation Skin absorption Ingestion. Skin and/or eye contact	
Medical symptoms	Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.	
SECTION 12: Ecological infor	mation	
Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
12.1. Toxicity Acute aquatic toxicity Acute toxicity - fish	Not available.	
-	Not available.	
Acute toxicity - aquatic invertebrates		
12.2. Persistence and degradability		
Persistence and degradability	There are no data on the degradability of this product.	
12.3. Bioaccumulative potenti	al	
Bioaccumulative potential	No data available on bioaccumulation.	
Partition coefficient	Not determined.	
12.4. Mobility in soil		
Mobility	Insoluble in water.	

Adsorption/desorption coefficient	Not available.
12.5. Results of PBT and vPvE	3 assessment
Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current UK criteria.
12.6. Other adverse effects	
Other adverse effects	Not available.
SECTION 13: Disposal consid	erations
13.1. Waste treatment method	<u>s</u>
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 inform	nation
14.1. UN number	
UN No. (ADR/RID)	3269
UN No. (IMDG)	3269
UN No. (ICAO)	3269
UN No. (ADN)	1993
14.2. UN proper shipping name	e
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(e	PS)
ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3

IMDG class ICAO class/division 3

3

3

ADN class

Transport labels



14.4. Packing group

ADR/RID packing group	Ш
IMDG packing group	Ш
ICAO packing group	Ш
ADN packing group	

ADN packing group

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
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

: Lines within the margin indicate significant changes from the previous revision.
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ved.

Hazard statements in full	H225 Highly flammable liquid and vapour.
	H226 Flammable liquid and vapour.
	H302 Harmful if swallowed.
	H314 Causes severe skin burns and eye damage.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H332 Harmful if inhaled.
	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H336 May cause drowsiness or dizziness.
	H361d Suspected of damaging the unborn child.
	H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure.
	H372 Causes damage to organs through prolonged or repeated exposure.
	H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if
	swallowed.