

# Safety Data Sheet

Infosafe No™ K1H02 Issue Date : April 2015 Status : ISSUED



Product Name **SEPTONE 2K TECH**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** SEPTONE 2K TECH  
**Product Code** AB2T4, AB2T16  
**Company Name** ITW AAMTech (ABN 63 004 235 063)  
**Address** 1-9 NINA LINK DANDENONG SOUTH  
VIC 3175 AUSTRALIA  
**Telephone/Fax Number** Tel: 1800 177 989  
Fax: +61 2 9725 4698  
**Emergency phone number** 1800 638 556  
**E-mail Address** info@aamtech.com.au  
**Recommended use of the chemical and restrictions on use** Two part polyester body filler, principally for automotive use. This MSDS refers to the (major) putty component.  
**Other Information** Website: www.aamtech.com.au  
\*  
Email: info@aamtech.com.au  
\*  
New Zealand  
Autoserv NZ Ltd  
2/38 Trugood Drive, East Tamaki, Auckland  
Tel: 0800 438 996  
Email: warehouse@autoserv.co.nz

## 2. Hazard Identification

**GHS classification of the substance/mixture** Flammable Liquids: Category 3  
Acute Toxicity - Inhalation: Category 4  
Skin Corrosion/Irritation: Category 2  
Eye Damage/Irritation: Category 2B  
**Signal Word (s)** WARNING  
**Hazard Statement (s)** H226 Flammable liquid and vapour.  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H320 Causes eye irritation  
**Precautionary statement - General** Keep out of reach of children.  
**Pictogram (s)** Flame, Exclamation mark  
  
**Precautionary statement - Prevention** Do not breathe vapours.  
**Precautionary statement - Response** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.  
IF ON SKIN (or hair): Remove contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Precautionary statement - Storage** Store in a well-ventilated place. Keep cool.

## 3. Composition/information on ingredients

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<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous	-	30-60 %
	Calcium carbonate	1317-65-3	10-30 %
	Talc (containing no asbestos fibres)	14807-96-6	10-30 %
	Styrene	100-42-5	10-30 %
	Titanium dioxide	13463-67-7	0-10 %

## 4. First-aid measures

<b>Inhalation</b>	Remove the victim from the source of exposure. If the victim is not breathing, apply artificial resuscitation. For all but the most minor symptoms, seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Give water to drink. Seek medical attention.
<b>Skin</b>	Remove contaminated clothing and launder before re-use. Wash affected skin thoroughly with soap and water.
<b>Eye contact</b>	Hold the eyes open and flush with water for at least 15 minutes. Seek medical attention.
<b>First Aid Facilities</b>	A safety shower and an eye irrigation facility should be provided. This Material Safety Data Sheet should be provided to the attending medical doctor.
<b>Advice to Doctor</b>	Inhalation: Treat symptomatically. CNS depression, characterised by headache and nausea. Ingestion: Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression, ranging from mild headache to anaesthesia and coma. Pulmonary irritation secondary to exhalation of solvent. Lavage with cuffed tube if large quantity ingested. Aspiration is the main danger. Enforce bed rest and observe carefully. Observe for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airways and vital functions. Avoid sympathomimetic amines.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Firefighters should fight large fires with AFFF foam. For smaller fires, suitable extinguishers are dry chemical, carbon dioxide or foam.
<b>Specific hazards arising from the chemical</b>	Polymerisation of the product may occur at elevated temperatures, such as if the product is involved in a fire. If polymerisation of the product occurs in a closed container, then violent rupture of the container may result.
<b>Hazchem Code</b>	•2YE

## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Personnel involved in cleaning up any spills are to wear full protective equipment, including self contained breathing apparatus if there is a likelihood of fire. Remove all sources of heat or ignition. Do not smoke during the clean-up procedure. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth (but not sawdust), and then transfer to sealed metal containers for disposal. Prevent the spillage from entering the sewerage system or waterways. Product that may have been mixed with peroxide initiators (hardeners) prior to spillage should be mixed with inert fillers and removed to an open area. Allow time to gel and cure. Dispose of large amounts in a suitable chemical dump (check the local statutory requirements).
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## 7. Handling and storage

<b>Handling and Storage</b>	Must be stored in accordance with AS1940. Store in dangerous goods approved metal containers in a cool (ideally below 27°C), well ventilated place away from sources of heat or ignition. Handle as a Pack Group III flammable liquid in accordance with local regulations.
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## 8. Exposure controls/personal protection

<u>Occupational exposure limit values</u>	<u>Name</u>	<u>STEL</u>	<u>TWA</u>
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	<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	<u>Footnote</u>
Ingredients determined not to be hazardous	-	-	-	-	
Calcium carbonate	-	-	10	-	
Talc (containing no asbestos fibres)	-	-	2.5	-	
Styrene	426	100	213	50	
Titanium dioxide	-	-	10	-	
<b>Other Exposure Information</b>	In its uncured state, this product contains 19% w/w Styrene. Dusts generated while sanding the cured product will contain talc, calcium carbonate and titanium dioxide.				
<b>Appropriate engineering controls</b>	Ensure that the ventilation is adequate to maintain air concentrations below the exposure standards, both when handling the product in its uncured state and when generating dust while sanding the cured product. If necessary, provide local exhaust ventilation. Ventilation equipment must be explosion proof. Isolate the uncured product from all sources of heat or ignition, including sparks and naked flames.				
<b>Personal Protective Equipment</b>	Avoid contact with the skin and eyes and avoid breathing the vapour. Avoid breathing dusts generated while sanding the cured product. If prolonged or repeated skin contact is likely, oil impervious gloves should be worn. The wearing of safety glasses is recommended. Wear an organic vapour respirator complying with AS1715 and AS1716 if the styren vapour concentration exceeds the exposure standard. Wear a dust mask or particulate respirator complying with AS1715 and AS1716 if dust concentrations exceed the exposure standards. Always wash skin and clothing after using this product.				

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	White paste, styrene odour. Upon the addition of the supplied Hardener (at the correct addition rate), the product will become a pink paste which will gel after approximately 5 minutes to become a pink solid.
<b>Boiling Point</b>	150°C for Styrene
<b>Solubility in Water</b>	Immiscible
<b>Specific Gravity</b>	1.195 @ 25°C
<b>Evaporation Rate</b>	49 for Styrene (n-Butyl Acetate = 100)
<b>Volatile Component</b>	19% w/w
<b>Flash Point</b>	31°C for Styrene (Tag closed cup)
<b>Flammability</b>	Flammable. Isolate from all sources of heat or ignition, including sparks and naked flames. Do not smoke whilst using this product. Take precautions against static electricity discharges. Earth and bond all equipment. An explosive air-vapour mix may form - ensure adequate ventilation. Vapours are heavier than air. Keep away from strongly oxidising materials.
<b>Flammable Limits - Lower</b>	1.1% for Styrene
<b>Flammable Limits - Upper</b>	6.1% for Styrene

## 10. Stability and reactivity

<b>Chemical Stability</b>	Considered stable. Avoid prolonged storage above 38°C. Avoid sources of heat or ignition, including sparks and naked flames. Avoid static electricity discharges. An explosive air-vapour mix may form - ensure adequate ventilation. Vapours are heavier than air.
<b>Incompatible Materials</b>	Strong oxidising agents, alkylation catalysts such as sulphuric acid, phosphoric acid, boron trifluoride and aluminium chloride, halogens, hydrogen halides, copper and copper alloys.
<b>Hazardous Decomposition Products</b>	During combustion, this product may produce oxides of carbon and nitrogen and other unidentifiable organic compounds.

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**Hazardous Polymerization**                      Hazardous polymerisation may occur due to the improper addition of catalysation initiator (hardener). Never mix promoters such as metal organics or aniline derivatives with catalysation initiators such as organic peroxides, as an explosion may occur.

## 11. Toxicological Information

**Ingestion**                      If the product is in its uncured state: Moderate irritant. Slightly toxic. For Styrene, the oral LD50 (rabbit) is 4370 mg/kg, which is regarded as slightly toxic. Upon aspiration into the lungs, chemical pneumonitis may develop. If the product is in its cured state: Dusts generated while sanding the product will contain talc, calcium carbonate and titanium dioxide. The dust is regarded as non-toxic if ingested.

**Inhalation**                      If the product is in its uncured state: At high levels of exposure (400 ppm), Styrene will irritate the nose and respiratory tract. Prolonged irritation may cause headaches and nausea. If the product is in its cured state: Dusts generated while sanding the product will contain talc, calcium carbonate and titanium dioxide. Inhalation of dusts may cause coughing, wheezing and difficulty in breathing. Prolonged and repeated exposure may cause relatively mild inflammatory lung disease.

**Skin**                                      If the product is in its uncured state: Mildly irritating to the skin. Signs of irritation include redness, itchiness and eventually cracking of the skin. Irritation usually only occurs after prolonged, repeated skin contact and is due to the de-fatting effect on the skin of the Styrene. May lead to the onset of dermatitis. For Styrene, the dermal LD50 (rabbit) is greater than 5010 mg/kg, which is regarded as practically non toxic. If the product is in its cured state: Dusts generated while sanding the product will contain talc, calcium carbonate and titanium dioxide. The dust is regarded as non-irritating to the skin.

**Eye**                                      If the product is in its uncured state: Irritating to the eyes. Signs of irritation include redness, soreness and tear production. If the product is in its cured state: Dusts generated while sanding the product will contain talc, calcium carbonate and titanium dioxide. The dust is regarded as mildly irritating to the eyes.

**Carcinogenicity**                      Styrene is listed by IARC as possibly carcinogenic to humans (Group 2B), based on limited evidence of carcinogenicity in humans and experimental animals.

**Reproductive Toxicity**                      Studies in male workers exposed to styrene provide no evidence of a link between internal body burden and reproductive function. Results from animal studies demonstrate that styrene is not a teratogen, nor is it fetotoxic at sub-maternally-toxic treatment levels. The available human data provides no evidence of an effect of styrene on the unborn child.

**Chronic Effects**                      Skin irritation may occur after prolonged, repeated skin contact and is due to the de-fatting effect on the skin of the Styrene. May lead to the onset of dermatitis. Chronic exposure to styrene in humans can result in effects on the CNS, with symptoms such as headache, fatigue, weakness, depression, CNS dysfunction (reaction time, memory, visuomotor speed and accuracy, intellectual function), and hearing loss, peripheral neuropathy, minor effects on some kidney enzyme functions and on the blood.

## 12. Ecological information

**Ecological Information**                      Styrene is toxic to fish, invertebrates and microorganisms, however, substantial aquatic exposure is not expected based on the volatile nature of this material. Styrene is readily biodegradable in aerobic conditions. The other components of this product are not biodegradable. However, they are practically non-toxic to aquatic species or in soils and may be safely disposed of in landfills. None of the components of this product is expected to bioaccumulate.

## 13. Disposal considerations

**Waste Disposal**                      Sanding dusts may be disposed of in approved landfills.

**Product Disposal**                      This product may only be disposed of in a suitable chemical dump (check the local statutory requirements).

## 14. Transport information

**U.N. Number**                      3269

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**UN proper shipping name** POLYESTER RESIN KIT  
**Transport hazard class(es)** 3  
**Hazchem Code** •2YE  
**Packing Group** III  
**IERG Number** 15  
**IMO Marine Pollutant** The IMDG Code does not classify this product or its components as a marine pollutant.

## 15. Regulatory information

**Poisons Schedule** S5  
**Hazard Category** Harmful, Irritant  
**AICS (Australia)** To the best of the manufacturer's knowledge all components of this product are listed in AICS.

## 16. Other Information

**Date of preparation or last revision of SDS** Replaces SDS dated 1 Apr 2010

**Contact Person/Point** Australia:  
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 1 800 638 556  
Poisons Information Centre (Australia): 13 11 26  
New Zealand:  
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 0800 154 666  
NZ National Poisons Centre (24 Hour): 0800 764 766  
**DISCLAIMER:**  
This Material Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.  
As ITW AAMTech cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.  
Data sheets from unauthorised sources may contain information that is no longer current or accurate.  
This MSDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW AAMTech to ensure they are in possession of the latest version.

**Signature of Preparer/Data Service** AMS

**Other Information** This product is normally sold as a two part mix, and the information contained on this Material Safety Data Sheet refers only to the putty. For information regarding the Benzoyl Peroxide paste Hardener sold as the second part of the mix, refer to the Material Safety Data Sheet specifically for Hardener.  
...End Of MSDS...

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