

Material Safety Data Sheet

SEPTONE 2K TECH

Infosafe No.: K1H02
ISSUED Date : 30/04/2015
ISSUED by: APPLIED AUSTRALIA PTY LTD -
AN (ITW) ILLINOIS TOOL WORKS COMPANY

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

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

Emergency Tel.

1800 638 556; 1800 039 008; 0800 2436 2255

Telephone/Fax Number

Tel: 1800 177 989

Fax: +61 2 9725 4698; 1800 308 556

Email

info@aamtech.com.au

Recommended Use

Two part polyester body filler, principally for automotive use. This MSDS refers to the (major) putty component.

Disclaimer

Website: www.aamtech.com.au

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New Zealand

Autoserv NZ Ltd

2/38 Trugood Drive, East Tamaki, Auckland

Tel: 0800 438 996

Email: warehouse@autoserv.co.nz

2. HAZARD IDENTIFICATION

Hazard Classification

Flammable Liquids: Category 3

Acute Toxicity - Inhalation: Category 4

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2B

Risk Phrase(s)

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

Safety Phrase(s)

S2 Keep out of reach of children.

S23 Do not breathe gas/fumes/vapour/spray

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

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

4. FIRST-AID MEASURES

Inhalation

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.

Ingestion

Do NOT induce vomiting. Give water to drink. Seek medical attention.

Skin

Remove contaminated clothing and launder before re-use. Wash affected skin thoroughly with soap and water.

Eye

Hold the eyes open and flush with water for at least 15 minutes. Seek medical attention.

First Aid Facilities

A safety shower and an eye irrigation facility should be provided. This Material Safety Data Sheet should be provided to the attending medical doctor.

Advice to Doctor

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

Suitable Extinguishing Media

Firefighters should fight large fires with AFFF foam. For smaller fires, suitable extinguishers are dry chemical, carbon dioxide or foam.

Special Protective Equipment for fire fighters

If this product is involved in a fire, firefighters should wear full protective equipment including self-contained breathing apparatus.

Specific Hazards

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.

Hazchem Code

•2YE

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

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).

7. HANDLING AND STORAGE

Handling and storage

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Ingredients determined not to be hazardous		TWA	-	ppm	
Ingredients determined not to be hazardous		TWA	-	mg/m3	
Ingredients determined not to be hazardous		STEL	-	ppm	
Ingredients determined not to be hazardous		STEL	-	mg/m3	
Calcium carbonate		TWA	-	ppm	
Calcium carbonate		TWA	10	mg/m3	
Calcium carbonate		STEL	-	ppm	
Calcium carbonate		STEL	-	mg/m3	
Styrene		TWA	50	ppm	
Styrene		TWA	213	mg/m3	
Styrene		STEL	100	ppm	
Styrene		STEL	426	mg/m3	
Talc (containing no asbestos fibres)		TWA	-	ppm	
Talc (containing no asbestos fibres)		TWA	2.5	mg/m3	
Talc (containing no asbestos fibres)		STEL	-	ppm	
Talc (containing no asbestos fibres)		STEL	-	mg/m3	
Titanium dioxide		TWA	-	ppm	
Titanium dioxide		TWA	10	mg/m3	
Titanium dioxide		STEL	-	ppm	
Titanium dioxide		STEL	-	mg/m3	

Other Exposure Information

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.

Engineering Controls

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.

Personal Protective Equipment

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

Appearance

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.

Boiling Point

150°C for Styrene

Solubility in Water

Immiscible

Specific Gravity

1.195 @ 25°C

Evaporation Rate

49 for Styrene (n-Butyl Acetate = 100)

Volatile Component

19% w/w

Flash Point

31°C for Styrene (Tag closed cup)

Flammability

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.

Flammable Limits - Lower

1.1% for Styrene

Flammable Limits - Upper

6.1% for Styrene

10. STABILITY AND REACTIVITY

Chemical Stability

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.

Incompatible materials

Strong oxidising agents, alkylation catalysts such as sulphuric acid, phosphoric acid, boron trifluoride and aluminium chloride, halogens, hydrogen halides, copper and copper alloys.

Hazardous Decomposition Products

During combustion, this product may produce oxides of carbon and nitrogen and other unidentifiable organic compounds.

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

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.

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.

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.

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.

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.

Carcinogenicity

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

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

Proper Shipping Name

POLYESTER RESIN KIT

DG Class

3

Packing Group

III

Hazchem Code

•2YE

IERG Number

15

IMDG Marine Pollutant (MP)

The IMDG Code does not classify this product or its components as a marine pollutant.

IMDG Marine Pollutant (MP)

The IMDG Code does not classify this product or its components as a marine pollutant.

15. REGULATORY INFORMATION

Regulatory information

Classified as hazardous according to criteria of NOHSC

HAZARDOUS SUBSTANCE.

SCHEDULED POISON.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S5

Hazard Category

Harmful,Irritant

Australia (AICS)

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 MSDS

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 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 SDS 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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