

### INTRODUCTION

A-APQ is a versatile sealing medium, which is used for a variety of different purposes in a number of different industries. It is sufficiently firm at room temperature to remain in position, yet is soft enough to be moulded by hand and is readily removed when no longer required.

### KEY FEATURES

- Temporary seal
- Versatile
- Low vacuum range
- Easy to use

### STOP THE LEAK

If a vacuum system develops a leak, it is not always possible, or economically viable to close down that system to undertake repairs. A-APQ offers an effective, temporary vacuum seal until such time as permanent repairs become more convenient. In this way A-APQ may reduce equipment down times and ensure important deadlines are able to be met in production situations.

### UNDER VACUUM

A-APQ exhibits good vacuum properties in the lower vacuum range. Full information on its vapour pressure characteristics over the working temperature range of the product are shown in the graph.

### TYPICAL PROPERTIES

Working temperature range	-10 – 30°C
Temperature for application	Ambient
Softening point	40 - 50°C
Vapour pressure @ 20°C	$1 \times 10^{-4}$ Torr
Pack size	1kg

### EXTREMELY VERSATILE

Among many other diverse applications, A-APQ can be used to seal around the edges of flat, unground joints to blank off temporarily parts of a vacuum system. Whether sealing joints, filling in holes or filling gaps in a vacuum system, A-APQ is extremely versatile and is the ideal leak sealant in a wide array of uses and industries.

### EASY TO USE

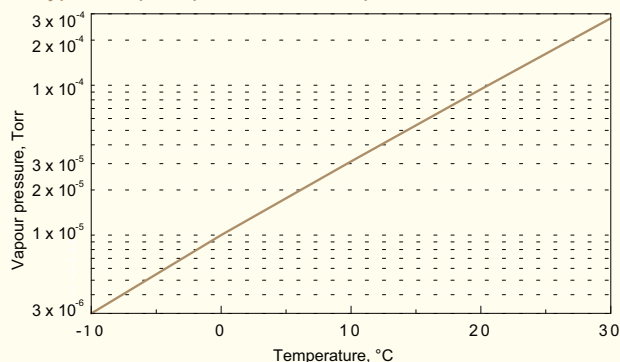
A-APQ is a soft, putty like substance which is easily moulded by hand at ambient temperatures, yet firm enough to remain in position. It has a vapour pressure of approximately  $9 \times 10^{-5}$  Torr at 20°C ensuring efficacious use where the vacuum requirement is not too low. With a softening point of 45°C A-APQ should be used where the site of application remains between -10 and +30°C. When kneading or rolling A-APQ, care should be taken to ensure that hands and surfaces are clean in order to preserve the low vapour pressure characteristics of the product.

### EASY TO REMOVE

A-APQ will adhere to a wide range of surfaces including glass, metal, plastic. etc. yet it is simply removed by peeling away from the site of application. Any traces of the product left on the surface can easily be removed by washing with any hydrocarbon solvent or by using a vapour degreasing bath.



Typical vapour pressure Vs temperature characteristics



## SAFETY DATA

PRODUCT NAME: Apiezon sealing compound Q

PRODUCT CODE: **A-APQ**

### 1 COMPOSITION/INFORMATION ON INGREDIENTS

Hydrocarbon mastic  
No hazardous ingredients  
CAS Nos 68953-58-2, 8012-95-1

### 2 HAZARD INFORMATION

This product is not classified as hazardous.

### 3 FIRST AID MEASURES

EYES: Irrigate with copious quantities of water.  
SKIN: Wash with soap and water.  
INHALATION: None envisaged.  
INGESTION: Do not induce vomiting. Seek medical attention.

### 4 FIRE FIGHTING MEASURES

Suitable extinguishing media:  
• Carbon dioxide, dry powder, foam or water fog.  
• Do not use water jets.  
Special exposure hazards:  
• None.  
Special protective equipment:  
• None.

### 5 ACCIDENTAL RELEASE MEASURES

Personal precautions:  
• Avoid contact with eyes.  
Environmental precautions:  
• None.  
Decontamination procedures:  
• Place in containers. See para 12 re disposal.

### 6 HANDLING AND STORAGE

Handling:  
• No special precautions required.  
Storage:  
• No special precautions required.

### 7 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:  
• None required.  
Personal protection:  
• Wash hands after use.  
• For prolonged or repeated skin contact gloves are recommended.

### 8 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Semi solid
Colour	Black
Odour	None
Softening Point	40 – 50°C
Flash Point	>260°C
Autoignition Point	>320°C
Explosive Limits	Not determined
Relative Density @ 20°C	1.600
Water Solubility	Very low

### 9 STABILITY & REACTIVITY

Stability	Will not polymerise
Conditions to avoid	Temp > 120°C
Materials to avoid	Strong oxidising agents
Hazardous Decomposition products	Trace amounts of polycyclic hydrocarbons

### 10 TOXICOLOGICAL INFORMATION

Based on the products components:  
Oral LD50 (rat) >2g/kg  
Dermal LD50 (rabbit) >2g/kg

Acute Health Effects:

EYES: May cause transient irritation.  
INHALATION: Low volatility makes inhalation unlikely.  
INGESTION: May cause nausea, vomiting and diarrhoea.

Chronic Health Effects:

SKIN: Repeated and prolonged skin contact may cause skin disorders.

### 11 ECOLOGICAL INFORMATION

Environmental: When used and/or disposed of as indicated no adverse environmental effects are foreseen.  
Mobility: Non-volatile/ Insoluble in water.  
Degradability: Slowly biodegradable in aerobic conditions.

### 12 DISPOSAL CONSIDERATIONS

Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated.

### 13 TRANSPORT CLASSIFICATION

Not classified as hazardous for transport by air, sea, road or rail.

### 14 REGULATORY INFORMATION

All chemical substances in this material are included on the TSCA Inventory of Chemical Substances.