



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT

Product: **M6900**, aerosol applied adhesive

Supplier: **Penn Elcom Ltd
9-10 Parsons Road
Washington
Tyne and Wear, NE37 1HB**

Telephone: **0044 (0) 191 416 1717** Fax: **0044 (0) 191 419 3715**

2. Composition/Information on Ingredients

Ingredient	CAS	EINECS	Contents %	Health _(Class)	Risk _(R Phrases)
Solvent Naptha (Petroleum) Hydrotreated	92062-15-2	295-529-9	15-30	F+, Xn, N	R12, 38, 51/53, 63
Acetone	67-64-1	200-662-2	15-30	F, Xi	R11, 36, 66, 67
Propane	74-98-6	200-827-9	15-30	F+	R12
Butane/Isobutane	106-97-8	203-448-7	15-30	F+	R12

3. Hazards Identification

Pressurised Container

Extremely flammable. May form a flammable or explosive mixture with air during use.

Vapours may cause drowsiness.

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Solvent abuse can kill instantly.

4. First Aid Measure

Signs and symptoms of exposure:

General		Move the exposed person to fresh air at once.
Eyes	Smarting	Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.
Skin		Wash contaminated skin with soap or mild detergent and water. Remove clothing if soaked through and wash as above.
Swallowing	Nausea	Rinse mouth thoroughly; do not induce vomiting. Get medical attention immediately.
Inhalation		Remove to fresh air; perform artificial respiration if breathing has stopped. Keep affected person warm and at rest. Get prompt medical attention.

5. Fire-Fighting Measures

Extinguishing Media: Water spray, fog or mist, carbon dioxide (CO₂), foam.

Special Fire Fighting Procedures: Water may be ineffective but use to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Water spray may be used to flush spills away and dilute spills to non-flammable mixtures.



Use water spray to reduce vapours. Warn fire fighters that aerosols are involved.

Unusual Fire & Explosive Hazards: Makes explosive mixtures with air. Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back.

6. Accidental Release Measures

Spill Cleanup Methods: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or dispose in sealed containers in licensed waste. Provide ventilation and confine spill.

7. Handling and Storage

a. Handling

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

b. Storage

Flammable/combustible store at moderate temperatures in dry well ventilated area. Keep away from heat, sparks and open flame. Protect from sunlight and do not expose to temperatures exceeding 50°C.

8. Exposure Controls – Personal Protection

Ingredient	CASNo	EINECS	STD	L.T _(8 Hr.TWA)	S.T _(15 Min)
Solvent Naptha (Petroleum)					
Hydrotreated	92062-15-2	295-529-9	Man	1200 mg/m ²	
Acetone	67-64-1	200-662-2	OES	500 ppm	1500 ppm IOELV
Propane	74-98-6	200-827-9		Asphyxiating	Asphyxiating
Butane/Isobutane	106-97-8	203-448-7	OES	600 ppm	750 ppm

IOELV = Indicative Occupational Exposure Limit Value

Skin Protection Gloves (eg PVC) if prolonged or repeated exposure is likely

Eye Protection Goggles (BS2902) to prevent any possibility of eye contact

General Do not smoke when using this product.

Ventilation No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. If, following workplace assessment, OEL is likely to be exceeded due to use where natural ventilation is insufficient suitable respirator with organic vapour cartridge must be worn.

9. Physical and Chemical Properties

Appearance Aerosol container containing a mixture of active ingredients, solvents and propellants.

Odour Solvent

Physical Data Comments A Flash Point method is not available for aerosols but the major hazardous component, the propellant, has a Flash Point of <-40°C with flammability limits of 9.5% vol. upper and 1.8% vol. lower.



Auto-ignition temperature is 410/580°C

10. Stability and Reactivity

Stability: Highly volatile
 Conditions to avoid: Avoid heat, flames and other sources of ignition.

11. Toxicological Information

HEALTH WARNINGS: Vapour concentrates above the recommended exposure level are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anaesthetic and may have central nervous system effects. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death. Irritant to eyes and mucous membranes. Irritating to skin.

ROUTE OF ENTRY: Inhalation

TARGET ORGANS: Central nervous system, respiratory system, lungs.

MEDICAL SYMPTONS: Narcotic effect, drowsiness, dizziness.

ACUTE AND CHRONIC HEALTH HAZARDS: Repeated exposure may cause upper respiratory irritation.

SKIN: Frequent or prolonged exposure may irritate and cause dermatitis, defatting, drying and cracking of skin.

12. Ecological Information

This product has not been tested but contains ingredients which are toxic or very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

13. Disposal Information

Dispose of in accordance with local and national regulations. For example, in the UK regulations made under the Control of Pollution Act 1974 and the Environmental Protection Act 1999. Do not pierce or incinerate even when container is empty. Do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

14. Transport Information

This product is packed in accordance with the Limited Quality Provisions of CDGCPL2. ADR and IMDG. These provisions allow transport of aerosols of less and 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

<u>ROAD (GB):</u> MARK: Aerosols, UN1950, Class 2, Div 2.1 LABEL FOR CONVEYANCE:	<u>ROAD (ADR):</u> MARK: 1950, Aerosols, 2, 5°F, ADR LABEL FOR CONVEYANCE:	<u>SEA</u> MARK: Aerosols UN1950 SEA TRANSPORT CLASS No: 2
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Flammable Gas (Class 2)	Label Model Number 3, Flammable	IMDG Page No: 2102
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15. Regulatory Information

Label for Supply

Extremely flammable
(Orange/black with flame symbol)

R-phrases

R-12 Extremely flammable
R-67 Vapours may cause drowsiness or dizziness
R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S-phrases

S-2 Keep out of reach of children
S-16 Keep away from sources of ignition – No Smoking

S-23 Do not breathe spray or vapour
S-29 Do not empty into drains
S-51 Use only in well ventilated areas.

UK Regulatory References:

Health and safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988, H.S.E EH40/2002 Occupational Exposure Limits 2002.

EC Directives:

Aerosol Directive 75/324/EEC as amended by 94/1/EEC. Dangerous Preparations Directive 1999/45/EEC Labelling Directive 91/155/EEC as amended by 93/112/EEC. Safety Data Sheets Directive 91/155/EEC.

Statutory Instruments:

The Consumer Protection Act 1987 SI 1140 The Aerosol Dispensers Regulations 1977 & 1997 The Health and Safety At Work etc. Act 1974.

Approved Code of Practices:

The Control of Substances Hazardous to Health. British Aerosol Manufacturers Code of Practice 7th Ed 1999.

Other Information Sources:

Material Safety Data Sheet, Misc. manufacturers.

16. Other Information

Risk Phrases used in this Safety Data:

R12 Extremely flammable. **R38** Irritation to skin. **R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **R65** Harmful, may cause lung damage if swallowed. **R11** Highly flammable. **R36** Irritating to eyes. **R66** Repeated exposure may cause skin dryness or cracking. **R67** Vapours may cause drowsiness and dizziness.

The information contained in this Data Sheet is provided in accordance with the Chemicals (Hazard Information & Packaging for Supply). Regulations 2002. It does not constitute the user's own assessment of work place risks as required by other Health and Safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substance Hazardous to Health Regulations apply to the use of this product at work.

As the specific conditions of use of the product are outside the suppliers control the user is responsible for ensuring that the requirements of the relevant legislation are complied with.



This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.