

Product **Attach 2**

Product Code **ATT2C**

Last Revision October 2013

Version 2

COMPANY DETAILS

COMPANY NAME: ADM – Australian Dental Manufacturing
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PRODUCT INFORMATION

PRODUCT NAME: Attach 2

UN Number	1950
Dangerous Goods Class	2.1
Hazchem Code	3[Y]E
Packaging Group	II
Poison Schedule	5
Product Use	Alginate Tray Adhesive
Pack Size	215 mL Aerosol Spray Can

COMPOSITION

Chemical Composition	CAS number	Proportion
HAZARDOUS INGREDIENTS:		
Hydrocarbon Solvent Mixture	64742-89-8	30-60%
Dimethyl ether	115-10-6	Propellant
Resins (hydrocarbon based)		10-40%

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PHYSICAL AND CHEMICAL DATA

Appearance:	Reddish/Pink Coloured liquid
Odour	Hydrocarbon Solvent Odour
Melting Point:	Not Available
Boiling Point	-24.8°C (Propellant) >53°C (Solvent Component)
Vapour Pressure @ 25°C	<0.001 kPa (Propellant)
Specific Gravity	Unknown
Flash Point	-41°C (Propellant)
Flammable Limits	LEL: 1% (Solvent Component) UEL: 6% (Solvent Component)
Auto ignition Temperature	235°C (Solvent Component)
Corrosiveness	Not Corrosive
Solubility	Miscible in Water Soluble in Hydrocarbon Solvents

HEALTH HAZARDS IDENTIFICATION

This Product is classified as hazardous according to criteria of NOHSC due to its flammability.

ACUTE EFFECTS

INGESTION:

- May be harmful if swallowed. May cause nausea, irritation of the pulmonary system. Product may affect central nervous system.
- If greater than approximately 60-70mL (1mL/kg body weight for average person) is swallowed symptoms such as weakness, dizziness and unconsciousness may occur.
- If propellant enters mouth it may cause frost bite and freeze burns.

EYE

- May cause mild irritation to eyes.
- Propellant vapours are not expected to cause any irritation however if the propellant contacts the eye frost bite or freeze burns may cause permanent damage to the eye.

SKIN:

- Repeated or prolonged exposure to skin may cause

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FIRST AID

<p>INGESTION:</p>	<ul style="list-style-type: none"> • Do not induce vomiting because of risk of aspiration into the lungs. Do not give anything by mouth to an unconscious person seek urgent immediate medical attention. • For minor ingestion rinse mouth and give water to drink. Watch for toxic symptoms. • Open eye lids to irrigate the eye with copious amounts of water for 15 minutes. If eyes continue to be affected seek immediate medical attention. • Remove contaminated clothing immediately. • Clothing frozen to the skin should be thawed then washed using lukewarm water. Seek medical attention. • If inhaled, immediately remove person to fresh air until fully recovered. If person is not breathing, open airway and administer CPR (artificial respiration). Administer oxygen if breathing is difficult. Seek urgent medical attention.
<p>EYE:</p>	
<p>SKIN:</p>	
<p>INHALED:</p>	

EXPOSURE CONTROLS/PERSONAL PROTECTION

In accordance with the criteria of NOHSC this Product is classified as hazardous.

TWA (Solvent Component)	400ppm NOHSC
STEL (Solvent Component)	500ppm NOHSC
Personal Protection	Use gloves and safety glasses when handling the product. Use product in well ventilated area – the use of masks is not normally needed. If misting in confined areas and there is a risk of inhalation, wear approved respiratory protection. Respirators should comply with AS 1716 and be used in accordance with AS 1715.
Engineering Controls	<ul style="list-style-type: none"> • Follow procedures to avoid static discharges. Use non-spark tools and flameproof equipment. • The Product contains flammable solvents, therefore when using the product in a confined area it is recommended that the above exposure limits.

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ACCIDENTAL RELEASE MEASURES

- Avoid accidents, clean up immediately.
- Wear protective equipment to prevent skin and eye contact.
- Wipe up small spills with paper toweling and dispose to bin. Disposal of waste must be in accordance with the Local Waste Disposal Authority.
- Prevent runoff to drains leading to waterways. Wash contaminated area liberally with detergent and water.

- For large spills or leaks in confined areas explosive conditions may occur, restrict persons not wearing protective equipment from the area of spill or leak until cleanup is complete.
- Ventilate the area of spill or leak.
- Water spray may be used to disperse vapours.
- Absorb liquids in vermiculite, dry sand, earth or inert material and deposit in an appropriate waste disposal container.
- For large spills or leaks it may be necessary to dispose of the product as a Hazardous waste. Contact your local EPA or authority for specific recommendations.

HANDLING & STORAGE

- Product to be handled only by qualified staff in dental offices/laboratories.
- See product instructions for safe use
- Store in a cool well ventilated place out of direct sunlight.
- Store away from strong oxidizing agents.
- Store below 25°C keep away from sources of heat.
- Protect containers from physical damage, check regularly for leaks.
- Avoid contact with skins and eyes.
- Do not store together with food.

Risk Phrases

R11: Highly Flammable

R26: Harmful by inhalation

R36: Irritating to eyes

R38: Irritating to skin

Safety Phrases

S2: Keep out of reach of children

S9: Keep container in well ventilated place

S16: Keep away from sources of ignition – no smoking

S23: Do not breath gas/fumes/vapour/spray

S24/25: Avoid contact with skin and eyes

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S29: Do not empty into drains
 S38: In case of insufficient ventilation use suitable respiratory equipment
 S62: If swallowed, do not induce vomiting; seek medical attention immediately and show the container or label.

STABILITY & REACTIVITY

REACTIVITY

CONDITIONS TO AVOID:

INCOMPATIBLES:

- Stable at normal temperatures and pressure.
- Avoid sources of heat and ignition.
- Avoid contact with incompatible materials.
- Reacts with strong oxidizing agents.

TOXICOLOGICAL INFORMATION

SYMPTOMS: No adverse health effects are expected if this product is handled in accordance with this Material Safety Data Sheet and the Product label/instructions.

If the product is spilled or mishandled, symptoms noted in section "Acute Effect" may occur:

Long Term Effects:

No specific long-term data is available for this product.

Long-term occupational skin exposure to the solvent components has reportedly caused dermatitis and cracking of the skin due to defatting of the skin.

No other long-term effects have been reported for the other ingredients.

ECOLOGICAL INFORMATION

- Spillages from the small packaging of this product are unlikely to penetrate soils. The solvents used in this product are volatile and will partition to the atmosphere.
- The resin component will harden quickly and remain inert with no water-soluble material to leach into the environment.

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- Unlikely to cause long term adverse effects in the environment. This material is not expected to bioaccumulate.
- As the solvent component is likely to vaporize quickly it is unlikely to reach waterways to cause long-term effect to the aquatic environment. No specific toxicity data to aquatic organisms is available for this product.
- The ingredients are completely biodegradable.
- No long-term persistent effects are expected. Due to the small package size spillages are unlikely to be a nuisance to the environment. If released to penetrate soils the resin component will be absorb on the soil and become immobile.
- The product is insoluble in water and unlikely to reach waterways.

DISPOSAL CONSIDERATIONS

Dispose containers thoughtfully to landfill.
 Empty containers represent a fire hazard as they may contain flammable product residues and vapour.
 Never weld or solder empty containers.

TRANSPORT INFORMATION

Classified as a highly flammable liquid gas for transport (ADG, UN, IATA)

UN NUMBER	1950
CLASS	2.1
SUBSIDIARY RISK:	Nil
HAZCHEM CODE:	3[Y]E
Packaging Group	II

REGULATORY INFORMATION

From information available, this Product is not classified using the criteria of NOHSC.

