

**Safety Data Sheet**  
 according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

**1 Identification**

**Product Name:** ATTACH 2 BOTTLE

**Other Means of Identification:** Mixture

**Product Code:** ATT2B

**Recommended Use of the Chemical and Restriction on Use:** Alginate tray adhesive

**Details of Manufacturer or Importer:**

Australian Dental Manufacturing  
 25 Billabong Street  
 Kenmore Hills QLD 4069

**Phone Number:** 07 3878 1901

**Emergency telephone number:** National Poison Information Centre: 13 11 26

**2 Hazard(s) Identification**

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 2      H225 Highly flammable liquid and vapour.



health hazard

Toxic To Reproduction 2      H361 Suspected of damaging fertility or the unborn child.

STOT RE 2      H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard 1      H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.



Skin Corrosion/Irritation 2      H315 Causes skin irritation.

STOT SE 3      H336 May cause drowsiness or dizziness.

Aquatic Acute 2      H401 Toxic to aquatic life.

**Signal Word** Danger

**Hazard Statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

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H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.











H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P273	Avoid release to the environment.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use to extinguish: CO2, powder or water spray.
P391	Collect spillage.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.

<b>Hazardous Components:</b>		
110-54-3	Hexane  Flammable Liquids 2, H225;  Toxic To Reproduction 2, H361; STOT RE 2, H373; Aspiration Hazard 1, H304;  Aquatic Chronic 2, H411;  Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	28 - 59%
64742-89-8	Solvent naphtha (petroleum), light aliph.  Aspiration Hazard 1, H304	8 - 28%
64742-49-0	Naphtha (petroleum), hydrotreated light  Aspiration Hazard 1, H304	8 - 28%
142-82-5	Heptane  Flammable Liquids 2, H225;  Aspiration Hazard 1, H304;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	<5%

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**Additional information:**

Note for CAS Nos. 64742-89-8 and 64742-49-0: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1 % w/w benzene (CAS No 71-43-2.)

This product also contains 1 - 2% D & C Red Dye, CAS No. not supplied.

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause irritation of respiratory tract, headaches, drowsiness, dizziness, nausea and other central nervous system effects.

Skin Contact: Causes skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: May be fatal if swallowed and enters airways. May cause nausea, weakness, dizziness and unconsciousness.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam or water fog. Do not use water jet.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

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**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Ventilate the area of spill or leak. Water spray may be used to disperse vapours.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents. Store below 25 °C. Protect containers from physical damage. Check regularly for leaks or spills.

### 8 Exposure controls and personal protection

**Exposure Standards:****110-54-3 Hexane**WES TWA: 72 mg/m<sup>3</sup>, 20 ppm**142-82-5 Heptane**WES STEL: 2050 mg/m<sup>3</sup>, 500 ppm  
TWA: 1640 mg/m<sup>3</sup>, 400 ppm**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

**Respiratory Protection:**

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

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## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Reddish/pink
<b>Odour:</b>	Hydrocarbon solvent odour
<b>Odour Threshold:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>53 °C (solvent component)
<b>Flash Point:</b>	12 °C (solvent component)
<b>Flammability:</b>	Highly flammable.
<b>Auto-ignition Temperature:</b>	>230 °C (solvent component)
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	1 % (solvent component)
<b>Upper:</b>	6 % (solvent component)
<b>Vapour Pressure at 20 °C:</b>	16.6 kPa (solvent component)
<b>Relative Density at 20 °C:</b>	0.7-0.8
<b>Vapour Density:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Water:</b>	Insoluble
<b>Solubility in Solvents:</b>	Soluble in hydrocarbon solvents

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon.

## 11 Toxicological Information

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:** No information available

**Acute Health Effects****Inhalation:**

May cause irritation of respiratory tract, headaches, drowsiness, dizziness, nausea and other central nervous system effects.

**Skin:** Causes skin irritation.

**Eye:** May cause mild eye irritation.

**Ingestion:**

May be fatal if swallowed and enters airways. May cause nausea, weakness, dizziness and unconsciousness

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

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**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**  
May cause damage to organs through prolonged or repeated exposure.**Aspiration Hazard:** May be fatal if swallowed and enters airways.**Chronic Health Effects:**

Repeated or prolonged exposure to skin may cause irritation due to defatting effect on skin.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

## 12 Ecological Information

**Ecotoxicity:** No information available**Aquatic toxicity:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability:** Easily biodegradable**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** No information available**Other adverse effects:** No information available

## 13 Disposal considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport information

<b>UN Number</b>	
<b>ADG, IMDG, IATA</b>	UN1133
<b>Proper Shipping Name</b>	
<b>ADG, IMDG, IATA</b>	ADHESIVES containing flammable liquid
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	3 Flammable liquids.
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	I
<b>Marine pollutant:</b>	Yes
	Symbol (fish and tree)
<b>EMS Number:</b>	F-E,S-D
<b>Hazchem Code:</b>	•3YE
<b>Limited Quantities:</b>	500mL
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T11

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**Portable Tanks & Bulk Containers - Special Provisions:**

TP1, TP8, TP27

### 15 Regulatory information

#### Australian Inventory of Chemical Substances:

110-54-3	Hexane
64742-89-8	Solvent naphtha (petroleum), light aliph.
64742-49-0	Naphtha (petroleum), hydrotreated light
142-82-5	Heptane

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 5

### 16 Other information

**Date of Preparation or Last Revision:** 24.05.2017

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

#### Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Toxic To Reproduction 2: Reproductive toxicity – Category 2

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

#### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Australian Dental Manufacturing makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.