

Printing date 14.07.2022

Revision: 14.07.2022

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 Poisons 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 H361f Suspected of damaging fertility.

STOT RE 1 H372 Causes 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.

Eye Irrit. 2A H319 Causes serious eye 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.

H319 Causes serious eye irritation.

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H361f Suspected of damaging fertility.
 H336 May cause drowsiness or dizziness.
 H372 Causes 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

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P321 Specific treatment (see on this label).
 P331 Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P314 Get medical advice/attention if you feel unwell.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use CO2, powder or water spray for extinction.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 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.**Hazardous Components:**

CAS: 110-54-3	Hexane	25-60%
	 Flammable Liquids 2, H225;  Toxic To Reproduction 2, H361f; STOT RE 2, H373; Aspiration Hazard 1, H304;  Aquatic Chronic 2, H411;  Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	

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CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	5-30%
	⚠ STOT RE 1, H372; Aspiration Hazard 1, H304; ⚠ Skin Corrosion/Irritation 2, H315; Eye Irrit. 2A, H319	
CAS: 64742-89-8	Solvent naphtha (petroleum), light aliph.	5-30%
	⚠ STOT RE 2, H373; Aspiration Hazard 1, H304; ⚠ Skin Corrosion/Irritation 2, H315; Eye Irrit. 2A, H319	
CAS: 142-82-5	Heptane	<5%
	⚠ 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	

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 irritation occurs.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.

Symptoms Caused by Exposure:

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

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea, vomiting, weakness and unconsciousness.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and unidentified, toxic organic compounds.

Product is highly flammable. Vapours can travel considerable distances and flashback to its point of generation if it meets a source of ignition.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: •3YE

Special Protective Equipment and Precautions for Fire Fighters:

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

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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.

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. Use only non-sparking tools. 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 outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. 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, at temperature below 25 °C. Keep in original container, tightly closed when not in use. Protect containers from physical damage. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents. Check regularly for leaks or spills.

8 Exposure Controls and Personal Protection

Exposure Standards:
CAS: 110-54-3 Hexane

WES TWA: 72 mg/m³, 20 ppm

CAS: 142-82-5 Heptane

WES STEL: 2050 mg/m³, 500 ppm
TWA: 1640 mg/m³, 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 an 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:

Protective, chemically resistant 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

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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.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Pink/red
Odour:	Solvent-like
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	>53 °C (solvent component)
Flash Point:	12 °C (solvent component)
Flammability:	Product is highly flammable.
Auto-ignition Temperature:	>230 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1 Vol % (solvent component)
Upper:	6 Vol % (solvent component)
Vapour Pressure at 20 °C:	16.6 kPa (solvent component)
Relative Density at 20 °C:	0.7 - 0.8
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Solubility in Solvents:	Soluble in hydrocarbon solvents
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

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

Conditions to Avoid: Direct sunlight, heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon and unidentified, toxic organic compounds.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 110-54-3 Hexane**

Oral	LD50	15,720 mg/kg (rat)
	LD50	>2,000 mg/kg (rabbit)
Inhalation	L50/4 h	17,600 mg/m ³ (rat)

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	4,820 mg/kg (rat)
	LD50	>1,900 mg/kg (rabbit)
Inhalation	LC50/4 h	>4.96 mg/l (rat)

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CAS: 64742-89-8 Solvent naphtha (petroleum), light aliph.		
Oral	LD50	>5,000 mg/kg (mouse)
	LD50	3,000 mg/kg (rabbit)
CAS: 142-82-5 Heptane		
Oral	LD50	>15,000 mg/kg (rat)
	LD50	>2,000 mg/kg (rabbit)
Inhalation	L50/4 h	103,000 mg/m ³ (rat)

Acute Health Effects**Inhalation:**

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

Skin: Causes skin irritation.

Eye: Causes serious eye irritation.

Ingestion:

May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea, vomiting, weakness and unconsciousness.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

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.

Reproductive Toxicity: Suspected of damaging fertility.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects:

Repeated or prolonged skin exposure may cause de-fatting of the skin, dermatitis and possible sensitisation. Inhalation of very high vapour concentrations or prolonged exposure may cause CNS effects, kidney and liver damage.

Existing Conditions Aggravated by Exposure: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 110-54-3 Hexane	
EC50/48 h	>3.5 mg/l (crustacea)
LC50/96 h	>1,000 mg/l (fish)
CAS: 64742-89-8 Solvent naphtha (petroleum), light aliph.	
EC50/72 h	4,700 mg/l (selenastrum capricornutum)
CAS: 142-82-5 Heptane	
EC50/24 h	>10 mg/l (daphnia magna)

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LC50/96 h 375 mg/l (fish)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant 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

UN Number	UN1133
ADG, IMDG, IATA	
Proper Shipping Name	
ADG, IATA	ADHESIVES (HEXANES, HEPTANES)
IMDG	ADHESIVES (HEXANES, HEPTANES), MARINE POLLUTANT
Dangerous Goods Class	
ADG Class:	3
Packing Group:	
ADG, IMDG, IATA	II
Marine pollutant:	Symbol (fish and tree)
EMS Number:	F-E,S-D
Hazchem Code:	•3YE
Special Provisions:	None
Excepted quantities (EQ):	E2
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP8

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

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16 Other Information

Date of Preparation or Last Revision: 14.07.2022**Prepared by:** MSDS.COM.AU Pty Ltdwww.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)
 LC50: Lethal concentration, 50 percent
 LD50: 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
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 Toxic To Reproduction 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 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 - July 2020"

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.