

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

1 Identification

Product Name: ATTACH 2 SPRAY

Other Means of Identification: Mixture

Product Code: ATT2C

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

Aerosol 1 H222 Extremely flammable aerosol.



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

H222 Extremely flammable aerosol.

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.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P211 Do not spray on an open flame or other ignition source.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P273 Avoid release to the environment.
 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.
 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.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P391 Collect spillage.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 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:**

110-54-3	Hexane 	28 - 59%
64742-89-8	Solvent naphtha (petroleum), light aliph. 	8 - 28%
64742-49-0	Naphtha (petroleum), hydrotreated light 	8 - 28%
142-82-5	Heptane 	<5%
115-10-6	Dimethyl ether 	

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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.)

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 extremely 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.

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.

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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. Do not pierce or burn containers, even after use.

8 Exposure controls and personal protection

Exposure Standards:

110-54-3 Hexane

NES	TWA: 72 mg/m ³ , 20 ppm
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142-82-5 Heptane

WES	STEL: 2050 mg/m ³ , 500 ppm
	TWA: 1640 mg/m ³ , 400 ppm

115-10-6 Dimethyl ether

WES	STEL: 950 mg/m ³ , 500 ppm
	TWA: 760 mg/m ³ , 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:

Form:	Aerosol
Colour:	Reddish/pink
Odour:	Hydrocarbon solvent odour
Odour Threshold:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	>53 °C (solvent component)
Flash Point:	-41 °C (propellant)
Flammability:	Highly flammable.
Auto-ignition Temperature:	235 °C (solvent component)
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	1 % (solvent component)
Upper:	6 % (solvent component)
Vapour Pressure at 20 °C:	16.6 kPa (solvent component)
Relative Density at 20 °C:	0.7-0.8
Vapour Density:	Not determined.
Evaporation Rate:	Not determined.
Solubility in Water:	Miscible
Solubility in Solvents:	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:**LD₅₀/LC₅₀ Values Relevant for Classification:****115-10-6 Dimethyl ether**

Inhalation	LC ₅₀ /4 h	308 mg/l (rat)
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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.

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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 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

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

UN Number	UN1950
ADG, IMDG, IATA	
Proper Shipping Name	ADHESIVES containing flammable liquid
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	2.1
Marine pollutant:	Yes
	Symbol (fish and tree)
EMS Number:	F-D,S-U
Hazchem Code:	Not applicable
Special Provisions:	63, 190, 277, 327, 344, 381
Limited Quantities:	1 L
Packagings & IBCs - Packing Instruction:	P207, LP200
Packagings & IBCs - Special Packing Provisions:	PP87, L2

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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
115-10-6	Dimethyl ether

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other information

Date of Preparation or Last Revision: 24.05.2017

Prepared by: MSDS.COM.AU Pty Ltd

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)
 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 Gases 1: Flammable gases – Category 1
 Aerosol 1: Aerosols – Category 1
 Gases Under Pressure (Compressed gas): Gases under pressure – Compressed gas
 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"

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