

# Safety Data Sheet

according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

## 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 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

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



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**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 1)









|       |   |
|-------|---|
| H319  | Causes serious eye irritation.                                  |
| 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**

|                |  |
|----------------|--|
| 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.   |
| P211           | Do not spray on an open flame or other ignition source.  |
| P251           | Pressurized container: Do not pierce or burn, even after use.  |
| 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.  |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| 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.  |
| P391           | Collect spillage.  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P410+P412      | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.   |
| 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<br> 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 | 25-60% |
| CAS: 64742-89-8 | Solvent naphtha (petroleum), light aliph.<br> STOT RE 2, H373; Aspiration Hazard 1, H304;  Skin Corrosion/Irritation 2, H315; Eye Irrit. 2A, H319  | 5-30%  |
| CAS: 64742-49-0 | Naphtha (petroleum), hydrotreated light<br> STOT RE 1, H372; Aspiration Hazard 1, H304;  Skin Corrosion/Irritation 2, H315; Eye Irrit. 2A, H319  | 5-30%  |

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 2)

|               |  |     |
|---------------|--|-----|
| 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 |     |
| CAS: 115-10-6 | Dimethyl ether   |     |
|               | ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280  |     |

### 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 irritation of respiratory tract, headaches, drowsiness, dizziness, 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, 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.

Pressurised container: may burst if heated. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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

**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.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 3)

**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 non-combustible 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 outdoors or 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 direct sunlight, 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:****CAS: 110-54-3 Hexane**

|     |                                    |
|-----|------------------------------------|
| WES | TWA: 72 mg/m <sup>3</sup> , 20 ppm |
|-----|------------------------------------|

**CAS: 142-82-5 Heptane**

|     |  |
|-----|--|
| WES | STEL: 2050 mg/m <sup>3</sup> , 500 ppm |
|     | TWA: 1640 mg/m <sup>3</sup> , 400 ppm  |

**CAS: 115-10-6 Dimethyl ether**

|     |                                       |
|-----|---------------------------------------|
| WES | STEL: 950 mg/m <sup>3</sup> , 500 ppm |
|     | TWA: 760 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:**

Protective 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.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

Product Name: ATTACH 2 SPRAY

(Contd. of page 4)

## 9 Physical and Chemical Properties

**Appearance:**

|   |                                 |
|---|---------------------------------|
| <b>Form:</b>                                | Aerosol                         |
| <b>Colour:</b>                              | Reddish/pink                    |
| <b>Odour:</b>                               | Hydrocarbon solvent odour       |
| <b>Odour Threshold:</b>                     | No information available        |
| <b>pH-Value:</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>                         | -41 °C (propellant)             |
| <b>Flammability:</b>                        | Extremely flammable             |
| <b>Auto-ignition Temperature:</b>           | 235 °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>                      | No information available        |
| <b>Evaporation Rate:</b>                    | No information available        |
| <b>Solubility in Water:</b>                 | Miscible                        |
| <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 storage and 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:****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 <sup>3</sup> (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)      |

**CAS: 64742-89-8 Solvent naphtha (petroleum), light aliph.**

|      |      |                      |
|------|------|----------------------|
| Oral | LD50 | >5,000 mg/kg (mouse) |
|      | LD50 | 3,000 mg/kg (rabbit) |

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 5)

|                              |         |                                 |
|------------------------------|---------|---------------------------------|
| <b>CAS: 142-82-5 Heptane</b> |         |                                 |
| Oral                         | LD50    | >15,000 mg/kg (rat)             |
|                              | LD50    | >2,000 mg/kg (rabbit)           |
| Inhalation                   | L50/4 h | 103,000 mg/m <sup>3</sup> (rat) |

**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:** Causes serious eye irritation.

**Ingestion:**

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

|  |  |
|--|--|
| <b>CAS: 110-54-3 Hexane</b>                                      |  |
| EC50/48 h  | >3.5 mg/l (crustacea)                  |
| LC50/96 h  | >1,000 mg/l (fish)                     |
| <b>CAS: 64742-89-8 Solvent naphtha (petroleum), light aliph.</b> |  |
| EC50/72 h  | 4,700 mg/l (selenastrum capricornutum) |
| <b>CAS: 142-82-5 Heptane</b>                                     |  |
| EC50/24 h  | >10 mg/l (daphnia magna)               |
| LC50/96 h  | 375 mg/l (fish)                        |

**Persistence and Degradability:** Easily biodegradable

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 6)

**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** No data available on finished product.**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<br/>ADG, IMDG, IATA</b>                       | UN1950  |
| <b>Proper Shipping Name<br/>ADG, IATA<br/>IMDG</b>         | AEROSOLS flammable (HEXANES, HEPTANES)<br>AEROSOLS (HEXANES, HEPTANES), MARINE<br>POLLUTANT |
| <b>Dangerous Goods Class<br/>ADG Class:</b>                | 2.1   |
| <b>Packing Group:<br/>ADG, IMDG, IATA</b>                  | None  |
| <b>Marine pollutant:</b>                                   | Symbol (fish and tree)  |
| <b>EMS Number:</b>   | F-D,S-U   |
| <b>Hazchem Code:</b>                                       | None  |
| <b>Special Provisions:<br/>Excepted quantities (EQ):</b>   | 63, 190, 277, 327, 344, 381<br>E0   |
| <b>Limited Quantities:</b>                                 | 1L  |
| <b>Packagings &amp; IBCs - Packing Instruction:</b>        | P207, LP200   |
| <b>Packagings &amp; IBCs - Special Packing Provisions:</b> | PP87, L2  |

### 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All ingredients are listed.

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

Not Scheduled.

### 16 Other Information

**Date of Preparation or Last Revision:** 14.07.2022**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)

(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.07.2022

Revision: 14.07.2022

**Product Name: ATTACH 2 SPRAY**

(Contd. of page 7)

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  
Press. Gas C: Gases under pressure – Compressed gas  
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”

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