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Product Name: EAL 790 SPRAY ADHESIVE (AEROSOL)

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This revision issued: May, 2023

## Section 1 - Identification of The Material and Supplier

Engineering Adhesives & Lubricants (Aust) Pty Ltd

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**Chemical nature:** Blend of adhesive ingredients in a solvent. Presented as an aerosol.

**Trade Name:** **EAL 790 SPRAY ADHESIVE (AEROSOL)**

**Product Use:** Multi-purpose spray adhesive.

**Creation Date:** **August, 2013**

**This version issued:** **May, 2023** and is valid for 5 years from this date.

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

**SUSMP Classification:** None allocated.

**ADG Classification:** Class 2.1: Flammable gases.

**UN Number:** 1950, AEROSOLS



### GHS Signal word: DANGER

Aerosols – category 1

Aspiration hazard – category 1

Specific target organ toxicity (single exposure) – category 3

Carcinogenicity – category 2

### HAZARD STATEMENT:

H222: Extremely flammable aerosol.

H229: Pressurised container: may burst if heated.

AUH066: Repeated exposure may cause skin dryness or cracking.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer.

### PREVENTION

P102: Keep out of reach of children.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P243: Take precautionary measures against static discharge.

P251: Do not pierce or burn, even after use.

P261: Avoid breathing fumes, mists, vapours or spray.

P271: Use only outdoors or in a well ventilated area.

P281: Use personal protective equipment as required.

### RESPONSE

P312: Call a POISON CENTRE or doctor if you feel unwell.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313: If exposed or concerned: Get medical advice.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P372: Explosion risk in case of fire.

P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires.

### STORAGE

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**DISPOSAL**

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

**Emergency Overview**

**Physical Description & Colour:** Clear opaque liquid in an aerosol can

**Odour:** Typical hydrocarbon solvent odour.

**Major Health Hazards:** limited evidence of a carcinogenic effect, if aspirated, may cause lung damage, repeated exposure may cause skin dryness or cracking, vapours may cause drowsiness and dizziness.

**Section 3 - Composition/Information on Ingredients**

| Ingredients                           | CAS No     | Conc, % | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|---------------------------------------|------------|---------|--------------------------|---------------------------|
| Alkanes, C <sub>3-4</sub>             | 68475-59-2 | 25-40   | not set                  | not set                   |
| Dichloromethane                       | 75-09-2    | 25-45   | 174                      | not set                   |
| Light, hydrotreated petroleum naphtha | 64742-49-0 | 25-40   | not set                  | not set                   |
| Other non hazardous ingredients       | secret     | to 100  | not set                  | not set                   |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Section 4 - First Aid Measures****General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

**Eye Contact:** No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

**Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus. Cool closed, undamaged containers exposed to fire with water spray.

**Flammability Class:** Aerosols category 1 (GHS) – extremely flammable aerosol.

**Section 6 - Accidental Release Measures**

**Accidental release:** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good

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practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

| SWA Exposure Limits | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|---------------------|--------------------------|---------------------------|
| Dichloromethane     | 174                      | not set                   |

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when product is being used.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable types.

**Protective Material Types:** We suggest that protective clothing be made from the following: nitrile, butyl rubber.

**Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

## Section 9 - Physical and Chemical Properties:

|   |  |
|---|--|
| <b>Physical Description &amp; colour:</b> | Clear opaque liquid in an aerosol can            |
| <b>Odour:</b>                             | Typical hydrocarbon solvent odour.               |
| <b>Boiling Point:</b>                     | Boils in a range 40 - 140°C                      |
| <b>Flash point:</b>                       | -81°C (Propellant)                               |
| <b>Upper Flammability Limit:</b>          | 7.6%   |
| <b>Lower Flammability Limit:</b>          | 1.4%   |
| <b>Autoignition temperature:</b>          | No data.   |
| <b>Freezing/Melting Point:</b>            | No specific data. Liquid at normal temperatures. |
| <b>Volatiles:</b>                         | 60% below 150°C                                  |
| <b>Vapour Pressure:</b>                   | No data.   |
| <b>Vapour Density:</b>                    | No data.   |
| <b>Specific Gravity:</b>                  | 0.71 at 15°C                                     |
| <b>Water Solubility:</b>                  | Negligible.                                      |
| <b>pH:</b>                                | No data.   |
| <b>Volatility:</b>                        | No data.   |
| <b>Odour Threshold:</b>                   | No data.   |
| <b>Evaporation Rate:</b>                  | No data.   |
| <b>Coeff Oil/water Distribution:</b>      | No data  |
| <b>Particle Characteristics:</b>          | Not applicable to liquids.                       |

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## Section 10 – Stability and Reactivity

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**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated. Keep away from sources of sparks or ignition.

**Incompatibilities:** strong bases, strong oxidising agents, combustible materials.

**Fire Decomposition:** Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form hydrogen chloride gas, other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

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## Section 11 - Toxicological Information

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### Local Effects:

**Target Organs:** There is no data to hand indicating any particular target organs.

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## Classification of Hazardous Ingredients

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| Ingredient   | Health Hazard Statement Codes                          |
|--|--|
| Dichloromethane  | H336, H351, H319, H315                                 |
| <ul style="list-style-type: none"><li>Specific target organ toxicity (single exposure) – category 3</li><li>Carcinogenicity – category 2</li><li>Eye irritation – category 2A</li><li>Skin irritation – category 2</li></ul>   |  |
| Alkanes, C3-4  | H220, H330, H350, H340, H319, H315, H335, H372, H360Df |
| <ul style="list-style-type: none"><li>Gases under pressure</li><li>Flammable gas – category 1</li><li>Acute toxicity – category 2</li><li>Carcinogenicity – category 1A</li><li>Germ cell mutagenicity – category 1B</li><li>Eye irritation – category 2A</li><li>Skin irritation – category 2</li><li>Specific target organ toxicity (single exposure) – category 3</li><li>Specific target organ toxicity (repeated exposure) – category 1</li><li>Reproductive toxicity – category 1B</li></ul> |  |
| Naphtha (petroleum), hydrotreated light  | H304, H350, H340, H319, H315, H372                     |
| <ul style="list-style-type: none"><li>Aspiration hazard – category 1</li><li>Carcinogenicity – category 1A</li><li>Germ cell mutagenicity – category 1B</li><li>Eye irritation – category 2A</li><li>Skin irritation – category 2</li><li>Specific target organ toxicity (repeated exposure) – category 1</li></ul>  |  |

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## Potential Health Effects

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### Inhalation:

**Short Term Exposure:** High vapour pressures may cause drowsiness and dizziness. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Intentional misuse by deliberately concentrating and inhaling contents of aerosol containers can be harmful or fatal.

**Long Term Exposure:** This product is carcinogenic by inhalation exposure. Vapours may cause drowsiness and dizziness.

### Skin Contact:

**Short Term Exposure:** Major health effect from this product is misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

**Long Term Exposure:** Repeated exposure may cause skin dryness or cracking.

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**Eye Contact:**

**Short Term Exposure:** If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

**Ingestion:**

**Short Term Exposure:** Significant oral exposure is considered to be unlikely. Because of the low viscosity of this product, it may directly enter the lungs if swallowed, or if subsequently vomited. Once in the lungs, it is very difficult to remove and can cause severe injury or death. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term ingestion.

**Carcinogen Status:**

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** Dichloromethane is classified by NTP as reasonably anticipated to be carcinogenic to humans.

See the NTP website for further details. A web address has not been provided as addresses frequently change.

**IARC:** Dichloromethane is classed 2b IARC - possibly carcinogenic to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

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**Section 12 - Ecological Information**

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Insufficient data to be sure of status.

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**Section 13 - Disposal Considerations**

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**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

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**Section 14 - Transport Information**

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**ADG Code:** 1950, AEROSOLS

**Hazchem Code:** 2YE

**Special Provisions:** 63, 190, 277

**Limited quantities:** ADG 7 specifies a Limited Quantity value of 1000mL for this class of product.

**Dangerous Goods Class:** Class 2.1: Flammable gases.

**Packaging Group:** Not set

**Packaging Method:** P003

Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

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**Section 15 - Regulatory Information**

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**AIC:** All of the significant ingredients in this formulation are compliant with AICIS regulations.

The following ingredient: Light, hydrotreated petroleum naphtha, is mentioned in the SUSMP.

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**Section 16 - Other Information**

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**This SDS contains only safety-related information. For other data see product literature.**

**Acronyms:**

|                     |   |
|---------------------|---|
| <b>ADG Code</b>     | Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)                     |
| <b>AIC</b>          | Australian Inventory of Industrial Chemicals  |
| <b>SWA</b>          | Safe Work Australia, formerly ASCC and NOHSC  |
| <b>CAS number</b>   | Chemical Abstracts Service Registry Number  |
| <b>Hazchem Code</b> | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| <b>IARC</b>         | International Agency for Research on Cancer   |
| <b>NOS</b>          | Not otherwise specified   |
| <b>NTP</b>          | National Toxicology Program (USA)   |

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**SUSMP**

Standard for the Uniform Scheduling of Medicines & Poisons

**UN Number**

United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD STATEMENT: INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (July 2020) and GHS Revision 7

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