SAFETY DATA SHEET

E-FOAM ADHESIVE AEROSOL 500ml

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name          E-FOAM ADHESIVE
Product No.           ADHP500

1.2. Relevant identified uses of the substances or mixture and uses advised against

Identified uses       Spray adhesive

1.3. Details of the supplier of the data sheet

Supplier              Simply Foam Products Ltd
                        Unit 20 Barton Industrial Park
                        Etruria Way, Bilston
                        West Midlands, WV14 7LH

1.4. Emergency telephone number

+44 (0) 1902 405100
Mon – Fri 9am – 5pm

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)          Physical and chemical hazards
                                          Extremely Flam. Aerosol - H222
                                          Carc.2 – H351
                                          Skin. Irrit. 2 – H315
                                          Eye Irrit. 2 – H319
                                          STOT SE 3 – H336

                                          Human health

                                          Environment
                                          Not Classified

2.2 Label Elements

Contains             DICHLOROMETHANE
Label in Accordance with (EC) No. 1272/2008
Signal word
Danger

Hazard statements
H222  Extremely flammable aerosol.
H229  Pressurized container: may burst if heated
H351  Suspected of causing cancer
H315  Causes skin irritation.
H319  Causes serious eye irritation.
H336  May cause drowsiness or dizziness

Precautionary Statements
P102  Keep out of reach of children
P210                    Keep away from heat/sparks/open flames/hot surfaces – No Smoking.
P251                    Pressurized container: Do not pierce or burn, even after use.
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P281  Use personal protective equipment as required.
P501                    Dispose of contents/container in accordance with Local Regulations.

Supplementary precautionary statements
P273                       Avoid release to the environment.
P280 Contains gas under pressure, may explode if heated.
P302 + P352     IF ON SKIN: Wash with plenty of soap and water.
P304+P340              IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.
P305+351+338     IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.Continue Rinsing.
P308+313              If exposed or concerned: Get medical advice/attention
P410+412              Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

Supplement label information

2.3. Other hazards
Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray on naked flame or any incandescent material – NO SMOKING.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
DICHLOROMETHANE 10-30%
4.1 Description of first aid measures

**General information**
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Inhalation**
Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion**
DO NOT induce vomiting. Get medical attention immediately

**Skin contact**
Wash the skin immediately with soap and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

**Eye Contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

**Extinguishing media**
Fire can be extinguished using: foam; carbon dioxide; dry powder

5.2 Special hazards arising from the substance or mixture

**Unusual fire & Explosion hazards**
Canisters may explode in fire.
Toxic gases/vapours/fumes of: Carbon Dioxide (CO₂). Carbon Monoxide (CO)
5.3 Advice for firefighters
Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid skin and eye contact. Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Wear personal protective equipment (see section 8).

6.2 Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environment Agency or other regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up
Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth, and place into containers.

6.4 Reference to other sections
Wear protective clothing as described in section 8 of this safety data sheet. For waste disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities
Must not be exposed to direct sunlight or temperatures above 50°C.

7.3 Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA – 8 Hrs</th>
<th>STEL – 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DICHLOROMETHANE</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>350 mg/m³(Sk)</td>
<td>300 ppm(Sk)</td>
</tr>
<tr>
<td>PETROLEUM GASES LIQUIFIED</td>
<td>WEL</td>
<td>1000 ppm(Sk)</td>
<td>1250 mg/m³(Sk)</td>
<td>1250 ppm(Sk)</td>
</tr>
</tbody>
</table>

WEL = Workplace exposure limit.

Ingredient comments

8.2 Exposure controls

Protective equipment
Appropriate engineering controls
Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection
Chemical splash goggles or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Hand protection
Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Nitrile rubber.

Other skin and body protection
Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wear protective clothing.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hygiene measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance            Canister/Aerosol.
(b) Odour                 Chlorinated Hydrocarbon
(c) Odour Threshold      No data available
(d) pH                   No data available
(e) Melting point/freezing point No data available
(f) Initial boiling point and boiling range 40 (°C)
(g) Flash point          Estimated at -35°C
(h) Evaporation point     No data available
(i) Flammability (solid gas) No data available
(j) Upper/lower flammability Or explosive limits No data available
(k) Vapour pressure      No data available
(l) Vapour density       No data available
(m) Relative density     No data available
(n) Water solubility     Slightly soluble in water; soluble in chlorinated hydrocarbons
(o) Partition coefficient n-octanol/water No data available
(p) Auto-ignition temperature No data available
SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
No data available.

10.2 Chemical stability
Avoid heat, sparks, and flames, stable under normal conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Avoid heat, flames and other sources or ignition. Avoid contact with: Strong oxidising agents, Strong alkalis and Strong mineral acids.

10.5 Incompatible materials
Materials to avoid
Strong acids, strong oxidising substances and strong alkalis.

10.6 Hazardous decomposition products
Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO); Carbon Dioxide (CO₂); Phosgene (COCl₂); Hydrogen Chloride (HCl). Slow hydrolysis with water forms hydrochloric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity
LD₅₀ Oral – Rat - >2,000 mg/kg

Inhalation
LD₅₀ Inhalation – Rat – 52,000 mg/m³

Skin contact
Skin – Rabbit
Result: Irritating to skin – 24 hr (Draize Test)

Eye contact
Eyes – Rabbit
Result: Irritating to eyes – 24 hr (Draize Test)

Can pressure 70psi.
Carcinogenicity
Carcinogenicity – Rat – Inhalation
Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumours
Limited evidence of carcinogenicity in animal studies.
Suspected human carcinogens
IARC: 2B – Group 2B: Possible carcinogenic to humans (Methylene Chloride)

Specific Target Organ Toxicity – Single Exposure
May cause respiratory irritation.
May cause drowsiness or dizziness

Aspiration Hazard
No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Not regarded as dangerous to the environment. However, contamination of the aquatic or terrestrial environments should be avoided

12.1 Toxicity
Toxicity to fish
LC50 – Pimphales promelas (fathead minnow) – 193.00 mg/l – 96 hr
NOEC – Cyprindon variegatus (sheepshead minnow) – 130 mg/l – 96 hr
Toxicity to daphnia and other
Aquatic invertebrates:
EC50 – Daphnia magna (Water flea) – 1,682.00 mg/l – 48 hr

12.2 Persistence and degradability
Biodegradability result <26% - Not readily biodegradeable

12.3 Bio accumulative potential
Does not bioaccumulate

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB Assessment
Contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.
14.1 UN Number
UN No (ADR/RID/ADN) 1950
UN No (IMDG) 1950
UN NO (ICAO) 1950

14.2 UN Proper Shipping Name
ADR/IMDG/ADN/RID AEROSOLS
IATA Aerosols Flammable

14.3 Transport Hazard Class(es)
ADR/RID/ADN Class 2.1
ADR/RID/ADN Class Class 2: Gases
ADR Label No 2.1 & 6.1
IATA 2.1
IMDG Class 2.1
ICAO Class/Division 2.1
ICAO Subsidiary Risk 6.1
ICAO TEC* No 20GSF
Air Class 2.1
UK Road Class 2.1
Transport Labels L.Q.

14.4 Packing Group
Not Applicable

14.5 Environmental Hazards
Dangerous for the environment No
Marine pollutant No
Other information No supplementary information available

14.6 Special Precautions for user
Overland Transport
Classification Code (ADR): 5F
Special Provisions (ADR): 190,327,344,625
Limited Quantities (ADR): 1L
Excepted Quantities (ADR): E0
Packing Instructions (ADR): P207,LP02
Special Packing provisions (ADR): PP87, RR6, L2
Mixed Packing provisions (ADR): MP9
Transport Strategy (ADR): 2
Special provisions for carriage – Packages (ADT) V14
Special Provisions for carriage – Loading, unloading and handling (ADR): CV9, CV12
Special provisions for carriage – Operation (ADR): S2
Tunnel Restriction Code: D

Transport by Sea
Special Provisions (IMDG): 63,190,277,327,344,959
Limited Quantities (IMDG): SP277
Excepted Quantities (IMDG): E0
Packing Instructions (IMDG): P207,LP02
Special Packing provisions (IMDG): PP87,L2
EmS-No (Fire): F-D
EmS-No (Spillage): S-U

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Stowage category (IMDG): None
Stowage and Handling (IMDG): SW1, SW22
Segregation (IMDG): SG69
MFAG-No: 126

Air Transport
PCA Excepted Quantities (IATA): E0
PCA Limited Quantities (IATA): Y203
PCA Limited Quantity max net quantity (IATA): 30KgG
PCA Packing instructions (IATA): 203
PCA max net quantity (IATA): 75Kg
CAO packing instructions (IATA): 203
CAO max net quantity (IATA): 150Kg
Special provisions (IATA): A145, A167, A802
ERG Code (IATA): 10L

Inland Waterway Transport
Classification Code (ADN): 5F
Special Provisions (ADN): 190, 327, 344, 625
Limited Quantities (ADN): 1 L
Excepted Quantities (ADN): E0
Equipment required (ADN): PP, EX, A
Ventilation (ADN): VE01, VE04
Number of blue cones/lights (ADN): 1

Rail Transport
Classification Code (RID): 5F
Special Provisions (RID): 190, 327, 344, 625
Limited Quantities (RID): 1 L
Excepted Quantities (RID): E0
Packing Instructions (RID): P207, LP02
Special Packing provisions (RID): PP87, RR6, L2
Mixed Packing provisions (RID): MP9
Transport Category (RID): 2
Special Provisions for carriage – Packages (RID): W14
Special Provisions for carriage – Loading, unloading and handling (RID): CW9, CW12
Colis Express (express parcels) (RID): CE2
Hazard Identification No (RID): 23

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code
Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Labelling according to Regulation (EC) No 1272/2008
The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.
Approved code of practice.
Guidance notes
Workplace exposure limits EH40.

15.1.1 EU-Regulations
Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.
SECTION 16: OTHER INFORMATION

General information
This product should be used as directed. For further information consult the product data sheet or contact technical services.

Information sources
This safety data sheet was compiled using current safety information supplied by distributor raw materials.

Revision comments
This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Simply Foam Products Ltd.

Hazard statements in full

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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
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Abbreviations

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<tr>
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<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc 2</td>
<td>Carcinogen Category 2</td>
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<tr>
<td>Skin Irrit 2</td>
<td>Skin Irritant Category 2</td>
</tr>
<tr>
<td>Eye Irritant 2</td>
<td>Eye Irritant Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific Target Organ Toxicity Single Exposure Category 3</td>
</tr>
<tr>
<td>Carc Cat 3</td>
<td>Carcinogen Category 3</td>
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<tr>
<td>Flam Gas 1</td>
<td>Flammable Gas Category 1</td>
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REVIEW DATE: JUNE 2018

DISCLAIMER

The information provided herein, especially recommendations for the usage and the application of this product, is provided in good faith, and no liability on the part of Simply Foam Products Ltd is stated or implied. No employee of Simply Foam Products Ltd has the authority to waive or alter in any way the content of this document.

Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions.