



SAFETY DATA SHEET

EMISSCO NAPA SPRAY ADHESIVE 500ml AEROSOL

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

1.1. Product identifier

Product name PMA SPRAY ADHESIVE Aerosol 500ml SPRAD

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 PMA
 2, Eskan Court,
 Campbell Park,
 Milton Keynes
 MK9 4AN
 +44 (0) 3333 133349

1.4. Emergency telephone number +44 (0) 3333 133349 (office hours only)

Birmingham +44 121 507 4123, Edinburgh +44 131 242 1383, Newcastle Upon Tyne
 + 44 191 2606182/+44 191 2606180, Cardiff +44 292 071 55 54, Belfast +44 28 90 63
 2032

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards	Extremely Flam. Aerosol - H222; H229
Human health	Eye Irrit. 2 – H319; STOT SE 3 – H336 Skin Irrit 2 - H315; Asp tox 1 - H304
Environmental hazards	Aquatic chronic 3 – H412

The full text for all Hazard statements are displayed in Section 16.

2.2 Label Elements

Label in Accordance with (EC) No. 1272/2008

CONTAINS: Acetone
 Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics
 Hydrocarbons, C6,isoalkanes, <5% n-hexane



Signal word`

Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container; may burst if heated.

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements

P101	If medical advice needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources No Smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
P337+313	If eye irritation persists: Get medical advice/attention.

Supplementary precautionary statements

P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do. Continue rinsing.
P410+412	Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.
P501	Dispose of contents/container to an approved waste disposal plant.

Supplement label information

No data available

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.

PBT & vPvB: This mixture does not contain any substance considered to be persistent, bioaccumulating, or toxic (PBT); nor does it contain any substance considered to be very persistent or very bioaccumulating (vPvB).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

ACETONE	20-25%
CAS-No.: 67-64-1	EC No.: 200-662-2 Index No:606-001-00-8
Registration number: 01-2119471330-49	
Classification (EC 1272/2008) Flam. Liq. 2 – H225 STOT SE 3 – H336 Eye irrit. 2 – H319	
PETROLEUM GASES LIQUIFIED 40%	25-
CAS- No.: 68476-85-7	EC No.: 270-704-2
Classification (EC 1272/2008) Flam. Gas 1- H220	
Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics	10 - <20%

CAS No:	EC No: 927-510-4	Registration number:01-2119475515-33-xxxx
Classification (EC 1272/2008)		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Skin Irrit. 2 - H315		
Aquatic Chronic 3 - H412		
Hydrocarbons, C6,isoalkanes, <5% n-hexane		5 - <10%
CAS No:	EC No: 931-254-9	Registration number:01-2119484651-34-xxxx
Classification (EC 1272/2008)		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Skin Irrit. 2 - H315		
Aquatic Chronic 3 - H412		
Flam Liq. 2 - H225		
EUH066		

The full text for all hazard statements are displayed in Section 16.

This product does not contain any candidate substances of very high concern at a concentration of $\geq 0.1\%$.
Regulation (EC) 1907/2006 (REACH), Article 59.

SECTION 4: FIRST AID MEASURES

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

Aerosol cans may explode in fire.

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.

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

Aerosol cans: 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

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	EH40/2005 4 th EDITION 2020
PETROLEUM GASES LIQUIFIED	WEL	1000 ppm	1750 mg/m ³	1250 ppm	2180 mg/m ³	EH40/2005 4 th EDITION 2020

WEL= WORKPLACE EXPOSURE LIMITS EH40/2005 4th EDITION 2020

Derived No Effect Level (DNEL).

Acetone (67-64-1)

Type	Exposure Route	Derived No effect Level	Safety Factor
Long Term Systemic health effects Worker	Dermal	186 mg/kg bw/d	
Short Term Local Health effects Worker	Inhalation	2420 mg/m ³	
Long Term Systemic health effects Worker	Inhalation	1210 mg/m ³	

Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics

Type	Exposure Route	Derived No effect Level	Safety Factor
Long Term Systemic health effects Worker	Inhalation	2085 mg/m ³	
Long Term Systemic health effects Worker	Dermal	300 mg/kg bw/d	

Acetone (67-64-1)

Type	Exposure Route	Derived No effect Level	Safety Factor

Long Term Systemic health effects Consumer	Inhalation	200 mg/m ³	
Short Term Local Health effects Consumer	Dermal	62 mg/kg bw/d	
Long Term Systemic health effects Consumer	Oral	62 mg/kg bw/d	

Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics

Type	Exposure Route	Derived No effect Level	Safety Factor
Long Term Systemic health effects Consumer	Inhalation	447 mg/m ³	
Short Term Local Health effects Consumer	Dermal	6149mg/kg bw/d	
Long Term Systemic health effects Consumer	Oral	149 mg/kg bw/d	

Predicted No effect Concentration (PNEC)

Acetone (67-64-1)

Environmental Compartment	Predicted No effect Concentration (PNEC)
Freshwater	10.6 mg/l
Freshwater - intermittent	21 mg/l
Marine water	1.06 mg/l
Microorganisms in sewage treatment	100 mg/l
Freshwater sediment	30.4 mg/kg dry weight
Marine water	3.04 mg/kg dry weight
Soil	29.5mg/kg dry weight

8.2 Exposure control

Protective equipment

Engineering measures



Appropriate engineering

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

controls

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) Physical State	Liquid
(b) Appearance	Canister/Aerosol.
(c) Colour	Amber
(d) Odour	Characteristic
(e) Odour Threshold	No data available
(f) Melting point/freezing point	No data available
(g) Initial boiling point and boiling range	Not applicable - aerosol
(h) Flammability (solid gas)	Not applicable for liquids
(i) Upper/lower flammability Or explosive limits	No data available
(j) Flash Point	Not applicable – aerosol
(k) Auto-ignition temperature	No data available
(l) Decomposition temperature	Not applicable – insoluble in water
(m) pH as gaseous solution	No data available
(n) Kinematic Viscosity	No data available
(o) Dynamic Viscosity	No data available
(p) Water solubility	No data available
(q) Solubilities	No data available
(r) Partition coefficient	No data available
(s) Vapour pressure	No data available
(t) Relative density	0.71 (Adhesive only)
(u) Relative Vapour Density	No data available
(v) Particle characteristics	
Particle Size	No data available
Particle size distribution	No data available

9.2 Other information

VOC: 569gm/ltr

9.2.1 Information with regards to physical hazards classes

Not applicable

9.2.2 Other safety characteristics

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.2 Chemical stability

Avoid heat, sparks, and flames, stable under normal conditions.

10.3 Possibility of hazardous reactions

Heating may cause an increase in can pressure leading to bursting

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

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acetone

Acute Toxicity

Oral

LD₅₀ Oral – Rat - >5,800 mg/kg

Inhalation

LD₅₀ Inhalation – Rat – 4h - 76 mg/l - vapour

Skin corrosion/irritation

Skin – Rabbit

Result: Mild skin irritation – 24 h

(Draize Test)

Eye contact

Eyes – Rabbit

Result: Irritating to eyes – 24 hr

(Draize Test)

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.

Specific Target Organ Toxicity – Single Exposure

No data available

Specific Target Organ Toxicity – Repeated Exposure

No data available

Aspiration Hazard

No data available.

Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics

Acute Toxicity

Oral

LD₅₀ Oral – Rat - >5,840 mg/kg

Inhalation

LD₅₀ Inhalation – Rat – 23300 mg/m³

Skin corrosion/irritation

LD₅₀ Oral – Rat - >2,920 mg/kg

Hydrocarbons, C6,isoalkanes, <5% n-hexane

Acute Toxicity

Oral

LD₅₀ Oral – Rat - >5,000 mg/kg

Inhalation

LD₅₀ Inhalation – Rat – 20mg/l

Skin corrosion/irritation

LD₅₀ Oral – Rat - >2,500 mg/kg

Other Information

Germ Cell Mutagenicity:	Based upon available data, the classification criteria are not met.
Carcinogenicity:	Based upon available data, the classification criteria are not met.
Reproductive Toxicity:	Based upon available data, the classification criteria are not met.
STOT - Single Exposure:	May cause drowsiness or dizziness.
STOT – Repeated Exposure:	Based upon available data, the classification criteria are not met.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

No information available.

11.2.2 Other Information

Other adverse effects: No information 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**Acetone`**

Toxicity to fish OECD Test guideline 203	LC50 – Oncorhynchus mykiss (rainbow trout) – 5.540 mg/l – 96 hr
Toxicity to daphnia and other Aquatic invertebrates:	EC50 – Daphnia magna (Water flea) – 8,800 mg/l – 48 hr
ECHA	
Toxicity to algae DIN 38412	NOEC – M.aeruginosa – 530 mg/l – 8 d

Hydrocarbons, C7,n-alkanes, isoalkanes,cyclics

Toxicity to fish OECD Test guideline 203	LL50 - Oncorhynchus mykiss (rainbow trout) – >13.4 mg/l – 96 hr
Toxicity to daphnia and other Aquatic invertebrates:	EC50 – Daphnia magna (Water flea) – 3.0 mg/l – 48 hr
ECHA	
Toxicity to algae DIN 38412	EL50 – Pseudokirchneriella subcapitata – 10-30 mg/l – 72 h

Hydrocarbons, C6,isoalkanes, <5% n-hexane

Toxicity to fish OECD Test guideline 203	LL50 - Oncorhynchus mykiss (rainbow trout) – 18.27 mg/l – 96 hr
Aquatic invertebrates:	EC50 – Daphnia magna (Water flea) – 31.9 mg/l – 48 hr
ECHA	
Toxicity to algae DIN 38412	EL50 – Pseudokirchneriella subcapitata – 13.6 mg/l – 72 h

12.2 Persistence and degradability

Biodegradability No data available

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 Endocrine Disrupting Properties

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.

Section 14. Transport information

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/AND/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 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 Yes

Marine pollutant Yes

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): 1I

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
 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): 1L
 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.

Workplace exposure limits EH40.

15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

15.1.2 National Regulations

No additional information available.

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 AFT Aerosols Ltd.

Hazard statements in full

H220	Extremely flammable gas
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects.

Abbreviations

Eye Irrit 2	Eye Irritant Category 2
Asp Tox 1	Aspiration toxicity Category 1
Flam Liq 2	Flammable liquid Category 2
Flam Gas 1	Flammable Gas Category 1
Aquatic Chronic 1	Aquatic Toxicity Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
STOT SE 3	Specific Target Organ Toxicity Single Exposure Category 3

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LAST REVIEWED: JANUARY 2023

DISCLAIMER

The Information provided herein, especially recommendations for the usage and the application of this products, is provided in good faith, and no liability on the part of AFT Aerosols Ltd is stated or implied. No employee of AFT Aerosols 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