



SAFETY DATA SHEET

Aortha Silicone 500ml

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

1.1. Product identifier

Product name	Aortha Silicone Aerosol 500ml
Product No.	ADH SIL 500

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

Identified uses	Spray lubricant
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1.3. Details of the supplier of the data sheet

Supplier	A. Algeo Ltd. Sheridan House Bridge Industrial Estate Speke Hall Road Liverpool L24 9HB
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1.4. Emergency telephone number

+44 (0) 151 448 1228
Mon – Fri: 0900-1700

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards	Extremely Flam. Aerosol- H222
Human health	Asp Tox 1 – H304 Skin Irrit 2 – H315 STAT SE £ - H336
Environment	Aquatic Chron 2 – H411

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

2.2 Label Elements

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



Signal word Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container; may burst if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

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
P285	In case of inadequate ventilation wear respiratory protection
P501	Dispose of contents/container in accordance with Local Regulations.

Supplementary precautionary statements

P273	Avoid release to the environment.
P264	Wash contaminated skin thoroughly after handling.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest In a 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**

POLYDIMETHYLSILOXANE	5-10%
CAS-No.: 63148-62-9	EC No.: Not Classified
Classification (EC 1272/2008)	
Not Classified	

PETROLEUM GASES LIQUIFIED	30-60%
CAS- No.: 68476-85-7	EC No.: 270-704-2
Classification (EC 1272/2008)	
Flam. Gas 1- H220	

HYDROCARBONS,C6-C7,N-ALKANES, ISOALKANES	
CYCLICS,<5% N-HEXANE	20-40%
CAS-No.: 64742-49-0	EC No.: 265-151-9
Classification (EC 1272/2008)	
Flam. Liq. 2; H225	
Asp Tox 1; H304	
Skin Irrit 2; H315	
STOT SE 3; H336	
Aquatic Chronic 2; H411	

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

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

No data available

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.

Toxic gases/vapours/fumes of: Carbon Dioxide (CO₂). Carbon Monoxide (CO) Silicon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further Information

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions

Avoid discharge into the environment if possible.

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
PETROLEUM GASES LIQUIFIED	WEL	1000 ppm (Sk)	1250 mg/m3(Sk)	1250 ppm(Sk)	2180 mg/m3(Sk)	

WEL = Workplace exposure limit.

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	Aerosol.
(b) Odour	No data available
(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	No data available
(o) Partition coefficient n-octanol/water	No data available
(p) Auto-ignition temperature	No data available
(q) Decomposition temperature	No data available
(r) Viscosity	No data available
(s) Explosive properties	No data available
(t) Oxidising properties	No data available.

9.2 Other information

Can pressure 70psi

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

10.6 Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO); Carbon Dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Other Health Effects

No data available

Inhalation

No data available

Ingestion

No data available

Skin contact

No data available

Eye contact

Spray and vapour may cause Irritation and smarting

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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

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB Assessment

No data available

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.

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

Proper shipping name – AEROSOLS

14.3 Transport hazard class(es)

ADR/RID/ADN class	2.1
ADR/RID/ADN class	Class 2: Gases
ADR Label No	2.1
IMDG Class	2.1
ICAO Class/division	2.1
CEFIC 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

Environmentally hazardous substance/marine pollutant.
No.

14.6 Special precautions for user

EMS	F-D, S-U
Tunnel restriction code	(D)

14.7 transport in bulk according to Annex II of MARPOL73/78 and the IBC code.

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 REACH Annex XIV substances.

15.1.2 National Regulations

No additional information available.

15.2 Chemical safety assessment**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
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

Abbreviations

Skin Irrit 2	Skin Irritant Category 2
Flam Liq 2	Flammable Liquid Category 2
Flam Gas 1	Flammable Gas Category 1
Aquat Chron 2	Aquatic Chronic Category 2
STOT SE 3	Specific Target Organ Toxicity Single Exposure Category 3
Asp Tox 1	Aspiration Hazard Category 1

ISSUE:

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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