

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. SIL400/500

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

Identified uses Spray lubricant

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

1.4. Emergency telephone number

+44 (0) 151 448 1228
Mon – Fri 0830-1700

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-------------------------------|---|
| Physical and chemical hazards | Extremely Flam. Aerosol- H222: H229 |
| Human health | Asp Tox 1 – H304 Skin Irrit 2 – H315 STOT SE 3 - H336 |
| Environment | Aquatic Chron 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: NAPHTHA (PETROLEUM), HYDROTREATED LIGHT <0.1% BENZENE



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 |
| H412 | Harmful to aquatic life with long lasting effects |

Precautionary Statements

| | |
|------|---|
| P102 | Keep out of reach of children |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking. |
| P251 | Do not pierce or burn, even after use. |
| P261 | Avoid breathing spray/vapour/mist |
| P284 | 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 skin thoroughly after handling. |
| P304+340 | IF INHALED: Remove person to fresh air and keep 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.: 613-156-5 | |
| Classification (EC 1272/2008) | | |
| Not Classified | | |

| | | |
|-------------------------------|-------------------|--------|
| PETROLEUM GASES LIQUIFIED | | 40-65% |
| CAS- No.: 68476-85-7 | EC No.: 270-704-2 | |
| Classification (EC 1272/2008) | | |
| Flam. Gas 1- H220 | | |

| | | |
|---|-------------------|----------------------------------|
| NAPHTHA (PETROLEUM), HYDROTREATED LIGHT | | 20-40% |
| CAS-No.: 64742-49-0 | EC No.: 265-151-9 | REACH REG: 01-2119475133-43-xxxx |
| Classification (EC 1272/2008) | | |
| Flam. Liq. 2; H225 | | |
| Asp Tox 1; H304 | | |
| Skin Irrit 2; H315 | | |
| STOT SE 3; H336 | | |
| Aquatic Chronic 3; H412 | | |

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

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

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 c

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/m ³ (Sk) | 1250 ppm(Sk) | 2180 mg/m ³ (Sk) | |
| NAPHTHA | | | | | | Contains no substances with occupational control limits |

WEL = Workplace exposure limit.

Derived No effect Level

No data available

Predicted No effect Concentration (PNEC)

No data available

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) 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 | No data available |
| (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

Can pressure 70psi

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

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)

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

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

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

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 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

Environmentally hazardous substance/marine pollutant.

No.

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 |
| <u>Rail Transport</u> | |
| 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

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 and 2020/878.

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.

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 |

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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 A. Algeo Ltd is stated or implied. No employee of A. Algeo 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