



SAFETY DATA SHEET

Maintenance Spray Aerosol

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

1.1. Product identifier

Product name	Maintenance Spray
Product No.	D416

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

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

Supplier	Delta Adhesives Ltd 39-40 Claycliffe Business Park Barugh Green, Barnsley South Yorkshire S75 1JU
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1.4. Emergency telephone number

+44 (0) 1226 381571

Mon – Thurs 0730-1730: Fri 0730-1400

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards	Flam. Aerosol 1- H222
Human health	Asp tox 1 – H304
Environmental hazards	Not Classified

The full text for all R-Phrases and 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

Precautionary Statements

P102 Keep out of reach of children.
 P210 Keep away from heat/sparks/open flames/hot surfaces – No Smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P261 Avoid breathing vapour/spray.
 P262 Do not get in eyes, on skin, or on clothing
 P271 Use only outdoors or in a well ventilated area
 P281 Wear personal protective equipment as required
 P410+412 Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

Supplementary precautionary statements

P273 Avoid release to the environment.
 P264 Wash contaminated skin thoroughly after handling
 P301+310 IF SWALLOWED: immediately call a poison centre, or a doctor/physician
 P304+340 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.
 P501 Dispose of contents/container in accordance with local Regulations.

Supplement label information**2.3. Other hazards**

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. 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**

PETROLEUM GASES LIQUIFIED CAS- No.: 68476-85-7 Classification (EC 1272/2008) Flam. Gas 1 – H220	EC No.: 270-704-2	40-70%
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT CAS- No.: 64742-47-8 Classification (EC 1272/2008) EUH066 Asp Tox 1 – H304	EC No.: 265-149-8	30-60%

The full text for all R-Phrases and 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. Rinse mouth with water. Get prompt medical attention.

Skin contact

Wash the skin immediately with soap and water. 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 or other inert material. Do not use high pressure water jet because this may spread the fire.

5.2 Special hazards arising from the substance or mixture

Unusual fire & Explosion hazards.

Aerosol cans may explode in fire.

Carbon Oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to a safe area. Beware of vapours accumulating in low areas. For personal protection see Section 8.

6.2 Environmental precautions

Discharge into the environment must be avoided. Do not allow to enter drains.

6.3 Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet. Avoid inhalation of vapour or mist; avoid contact with skin or eyes.

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/122°F

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**

	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
PETROLEUM GASES LIQUIFIED	WEL	1,000 ppm	1,250 mg/m ³	1,250 ppm	2,180 mg/m ³	UK EH40 WEL
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	WEL		800 mg/m ³			

WEL = Workplace exposure limit.

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

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).

Hand protection

Use protective gloves. These should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

Eye protection

Wear splash proof goggles to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Other protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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	Hydrocarbon solvent
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	0.80 @ 15°C
(n) Water solubility	Not miscible or difficult to mix
(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

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid heat, flames and other sources or ignition.

10.5 Incompatible materials

Materials to avoid

Strong acids, strong oxidising substances and strong alkalis. All sources of ignition.

10.6 Hazardous decomposition products

Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Toxic Conc – LC50 >5,000 ppm/8hr (inh – rat)

Ingestion

.Toxic Dose 1 – LD50 >5,000 mg/kg (oral – rat)

Skin contact

Eye contact

No data available.

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Additional information

No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful effect upon the environment.

12.1 Toxicity

Acute Toxicity – Fish	LC50	96 hrs	>1000mg/l	Onchorhynchus (Rainbow Trout)
Acute Toxicity – Aquatic Invertebrates	LC 50	48 hrs	>1000mg/l	Daphnia Magna
Acute Toxicity – Aquatic Plants	EC50	72 hrs	>1000mg/l	Scenedesmus subspicatus

12.2 Persistence and degradability

Readily biodegradable

Biodegradation (%) Water 69 - 28 days

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

Contamination will evaporate from the surface of water and soils.

12.5 Results of PBT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

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.

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.

Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Statutory instruments

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.

Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

Guidance notes

Workplace exposure limits EH40. Introduction to Local exhaust ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Dangerous substance directive 67/548/EEC. Dangerous preparations directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European parliament and of the council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (REACH), establishing a European Chemicals agency, amending directive 1999/45/EC and repealing council regulation (EEC) No 793/93 and commission regulation (EC) No 1488/94 as well as council directive 76/769/EEC and commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out for this product,.

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.

Hazard Statements in full

H220	Extremely flammable gas
H222	Extremely flammable material
H304	May be fatal if swallowed and enters airways
Asp Tox 2	Aspiration Toxicity Category 2
EUH066	Repeated exposure may cause skin dryness or cracking

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DISCLAIMER

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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

