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SAFETY DATA SHEET PROLAN ENDURO HEAVY GRADE AEROSOL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PROLAN ENDURO HEAVY GRADE AEROSOL
 Product number PEHGAERO

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

Identified uses Grease.

1.3. Details of the supplier of the safety data sheet

Supplier
 WITHAM OIL AND PAINT LTD
 OUTER CIRCLE ROAD
 LINCOLN
 LN2 4HL
 01522 521192
 01522 537030
 01522 560228
 enquires@withamgroup.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
 Health hazards Not Classified
 Environmental hazards Not Classified

Classification (67/548/EEC or -
 1999/45/EC)

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated

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Precautionary statements

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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/ container in accordance with regional regulations.

P102 Keep out of reach of children.

2.3. Other hazards

In use , may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED	30-60%
CAS number: 64742-47-8	EC number: 265-149-8
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65
PROPANE	5-10%
CAS number: 74-98-6	EC number: 200-827-9
Classification Flam. Gas 1 - H220 Press. Gas	Classification (67/548/EEC or 1999/45/EC) F+;R12
BUTANE	1-5%
CAS number: 106-97-8	EC number: 203-448-7
Classification Flam. Gas 1 - H220 Press. Gas	Classification (67/548/EEC or 1999/45/EC) F+;R12
ISOBUTANE	1-5%
CAS number: 75-28-5	EC number: 200-857-2
Classification Flam. Gas 1 - H220 Press. Gas	Classification (67/548/EEC or 1999/45/EC) F+;R12

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

Inhalation In case of inhalation of spray mist: Move person into fresh air and keep at rest.

Ingestion Do not induce vomiting. Consult a doctor.

Skin contact Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause respiratory irritation.
Ingestion	The product is considered to be a low hazard under normal conditions of use.
Skin contact	May be slightly irritating to skin.
Eye contact	Avoid contact with eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is extremely flammable. In combustion emits toxic fumes. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand, earth or other suitable non-combustible material. Do not use equipment in the clean-up procedure which may produce sparks. Clean up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Do not eat, drink or smoke when using this product. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.

Storage class Must only be kept in original packaging.

7.3. Specific end use(s)

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Specific end use(s) No data available.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PROPANE

Long-term exposure limit (8-hour TWA): WEL 1800 mg/m³ gas and aerosol mists

Short-term exposure limit (15-minute): WEL 7200 mg/m³ gas and aerosol mists

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

ISOBUTANE

Long-term exposure limit (8-hour TWA): WEL 2400 mg/m³ gas and aerosol mists

Short-term exposure limit (15-minute): WEL 9600 mg/m³ gas and aerosol mists

WEL = Workplace Exposure Limit

DNEL No DNEL available

PNEC No PNEC available.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Eye/face protection

Tight-fitting safety glasses. Ensure eye bath is to hand.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

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

Hygiene measures

Wash 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.

Respiratory protection

No special requirements under ordinary conditions of use and with adequate ventilation.

Environmental exposure controls

Prevent from entering in public sewers or immediate environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Aerosol.

Colour Yellow. Brown.

Odour Characteristic wool fleece odour.

Flash point -60°C

9.2. Other information

Other information No data available.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity Stable under recommended storage and handling conditions(see section 7).

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Direct sunlight

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Skin corrosion/irritation Not classified.

Serious eye damage/irritation

Serious eye damage/irritation No specific test data are available.

Respiratory sensitisation

Respiratory sensitisation Not applicable.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Not classified.

Reproductive toxicity

Reproductive toxicity - fertility No specific test data are available.

Reproductive toxicity - development Not given.

Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Inhalation

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, Good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

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Ingestion	The material has NOT been classified by EC Directives or other classifications systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. Central nervous system (CNS) depression may include general discomfort, symptoms of giddiness, headache, dizziness, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.
Skin contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis. The material is unlikely to produce an irritant dermatitis as described in EC Directives.
Eye contact	Although the material is not thought to be an irritant(as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness(as with windburn).

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity	This product is made up of a mixture of biodegradable products and a light hydrotreated distillate. It is considered unlikely to be toxic to an aquatic environment. The directions for use are as follows: After application of product allow the carrier to evaporate this leaves behind a coating of lanolin which is biodegradable- and the GHS classification becomes non-hazardous. Therefore items should not present an aquatic hazard once the product has dried.
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12.2. Persistence and degradability

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Distillates petroleum hydrotreated light LOW BCF=159
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12.4. Mobility in soil

Mobility	No data available
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
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12.6. Other adverse effects

Other adverse effects	No data available
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

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14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2

ADR/RID label 2

IMDG class 2

ICAO class/division 2

Transport labels



14.4. Packing group

ADR/RID packing group 10(a)

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No special precautions.

EmS 2-13

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations 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.

EU legislation System of specific information relating to Dangerous Preparations. 2001/58/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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SDS number

20783

Hazard statements in full

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H304 May be fatal if swallowed and enters airways.