SAFETY DATA SHEET
Lodexol PG 220

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

1.1. Product identifier

Product name Lodexol PG 220

Product number 7621

Internal identification GHS21621

REACH registration notes Not applicable.

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

Identified uses Lubricant.

Uses advised against Non specified unless otherwise stated within this MSDS

1.3. Details of the supplier of the safety data sheet

Supplier

Morris Lubricants
Castle Foregate
Shrewsbury
Shropshire
SY1 2EL
+44 (0) 1743 232200
+44 (0) 1743 353584
sds@morris-lubricants.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0)1743 232200 (08.45 - 17.00 GMT)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R52/53.

2.2. Label elements

Hazard statements EUH208 Contains 1-Naphthalenamine,N-phenyl-. May produce an allergic reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
P501a Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

None identified. This product does not contain any substances classified as PBT or vPvB.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Alkaryl amine **<1%**

CAS number: 68411-46-1 EC number: 270-128-1

Classification
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)
R52/53.

1-Naphthalenamine,N-phenyl- **<1%**

CAS number: 90-30-2 EC number: 201-983-0 REACH registration number: 01-2119488764-27-XXXX

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Skin Sens. 1 - H317
STOT SE 2 - H371
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)
N;R50/53. R43.

Amines,C11-14-branched alkyl,monohexyl and dihexyl phosphates **<1%**

CAS number: 80939-62-4 EC number: 279-632-6

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
Xi;R36/38. N;R51/53.

(Z)-N-Methyl-N-(1-oxo-9-octadecenyl) Glycine **<1%**

CAS number: 110-25-8 EC number: 203-749-3 REACH registration number: 01-2119488991-20-XXXX

M factor (Acute) = 1

Classification
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)
Xn;R20. Xi;R38,R41. N;R50.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

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Ingestion Get medical attention if any discomfort continues. Do not induce vomiting.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Inhalation Upper respiratory irritation.

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

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Irritation of eyes and mucous membranes.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO_2). Nitrous gases (NOx). Sulphurous gases (SOx). Other unidentified organic and inorganic gases and compounds, some of which may be toxic.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions Contain spillage with sand or earth. Avoid the spillage or runoff entering drains, sewers or watercourses. The product is insoluble in water and will spread on the water surface.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand or earth. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Avoid contact with eyes and prolonged skin contact. Avoid spilling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

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

(Z)-N-Methyl-N-(1-oxo-9-octadecenyl) Glycine (CAS: 110-25-8)

DNEL

Workers - Inhalation; Long term systemic effects: 0.2 mg/m³
Workers - Inhalation; Short term systemic effects: 18 mg/m³
Workers - Inhalation; Long term local effects: 0.01 mg/m³
Workers - Inhalation; Short term local effects: 18 mg/m³
Workers - Dermal; Long term systemic effects: 10 mg/kg/day
Workers - Dermal; Short term systemic effects: 100 mg/kg/day
Workers - Dermal; Long term, Short term local effects:
General population - Inhalation; Long term systemic effects: 0.1 mg/m³
General population - Inhalation; Short term systemic effects: 9 mg/m³
General population - Inhalation; Long term local effects: 0.005 mg/m³
General population - Inhalation; Short term local effects: 9 mg/m³
General population - Dermal; Long term systemic effects: 5 mg/kg/day
General population - Dermal; Short term systemic effects: 50 mg/kg/day
General population - Dermal; Long term, Short term local effects:
General population - Oral; Long term systemic effects: 5 mg/kg/day
General population - Oral; Short term systemic effects: 92 mg/kg/day

PNEC

- Fresh water; 0.00043 mg/l
- marine water; 0.000043 mg/l
- Sediment (Freshwater);
- Sediment (Marinewater);
- Soil;
- STP; 13 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

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Hand protection	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Use barrier creams to prevent skin contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light (or pale). Colourless to pale yellow.
Odour	Characteristic. Oil-like.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	>320°C @ 101.3 kPa
Flash point	198°C Pensky-Martens closed cup.
Other flammability	Product is not flammable but on excessive heating may become combustible.
Vapour pressure	<0.1 kPa @ 20°C
Vapour density	Not determined.
Relative density	1.0 @ 15.6°C
Solubility(ies)	Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not determined. log Kow: > 7 This figure is typical of mineral oil.
Auto-ignition temperature	>320°C
Decomposition Temperature	Not determined.
Viscosity	228 cSt @ 40°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Volatile organic compound	The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOCs may be present.

SECTION 10: Stability and reactivity

10.1. Reactivity

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Reactivity There are no known reactivity hazards associated with this product.

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 Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact May cause temporary eye irritation.

Acute and chronic health hazards Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Partition coefficient Not determined. log Kow: > 7 This figure is typical of mineral oil.

12.4. Mobility in soil

Mobility The product is non-volatile. The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. This material and its container must be disposed of as hazardous waste.

Disposal methods Dispose of waste via a licensed waste disposal contractor.

Waste class European waste catalogue (EWC) number = 13 02 06* (synthetic engine, gear and lubricating oils)

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Special Waste regulations 1996. Control of Pollution (Oil Storage) (England) Regulations 2001 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. 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) (as amended). 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. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	19/05/2020
Revision	3
Supersedes date	07/06/2016
SDS number	21621
Risk phrases in full	R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H371 May cause damage to organs (Heart & cardiovascular system). H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains 1-Naphthalenamine,N-phenyl-. May produce an allergic reaction.