

MORRIS LUBRICANTS

Castle Foregate, Shrewsbury, Shropshire SY1 2EL
Telephone (01743) 232200 Fax (01743) 353584
www.morrislubricants.co.uk

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11.08.03

Safety data sheet

1. PRODUCT INFORMATION

Product Name Aria Arctic PG 22, 32 and Air Force Arctic PG 32
Application Airline lubricant.
Company **Morris Lubricants**
Address **Castle Foregate, Shrewsbury, SY1 2EL, United Kingdom**
Telephone No (+44) (0)1743 232200
Fax No (+44) (0)1743 353584

2. COMPOSITION

Propylene glycol, polyglycols water and inhibitors.

Name	CAS No.	EINECS No.	% Mass	Symbols/ OEL	R Phases
Propylene glycol	57-55-6	205-500-4	>75	OEL	

3. HAZARDS

Health Hazard Repeated contact with the skin may result in skin irritation. If vapours are generated from heating of oil, mist may cause mild irritation, to eyes and respiratory system.

Other Hazards Large spills may cause contamination of soil and water.

4. FIRST AID MEASURES

Inhalation If inhalation of mist fumes or vapour causes irritation to the nose or throat or coughing remove to fresh air. If symptoms persist obtain medical advice.

Skin contact Wash skin thoroughly using soap and water.

Eye contact Rinse with plenty of water (also under eyelids) for at least 10 minutes and seek medical attention if symptoms persist.

Ingestion Seek medical attention. **DO NOT INDUCE VOMITING.**



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Established 1869

Morris Lubricants is a division of Morris & Company, Welsh Bridge, Shrewsbury

Registered in England No. 185693



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5. FIRE-FIGHTING MEASURES

Extinguishing Media	Use carbon dioxide, foam or water spray. Prevent water used in spray from entering watercourses.
Not to be used	Direct water jet.
Special fire fighting procedures	In the event of a large fire self-contained breathing apparatus should be worn.
WARNING	Heat from a fire could possible result in drums bursting.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillage with help of absorbent materials such as floor granules. Protect drains from potential spills to minimise contamination.
If spillage enters drains call Environment Agency Emergency hotline on 0800 807060.
Product waste should be disposed of according to Item 13.

7. HANDLING & STORAGE

Handling	Precautions should be taken against skin and eye contact. Avoid inhalation of vapour mist or fume. Do not wear contaminated clothing. Wear safety shoes when handling containers.
Storage	Store away from sources of strong heat and strong oxidising chemicals. Keep containers tightly closed in a cool dry, well ventilated place. Take precautionary measures to prevent spills into drains, soil or water. External tanks or stillage should be banded.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Ensure good ventilation.
Use local exhaust ventilation when needed to comply with occupational exposure limit.
Exposure values: Propylene glycol OES 150 ppm (8 hrs) LT EXP.

Respiratory Protection	N/A
Eye Protection	Wear protective safety spectacles when handling heated product.
Hand Protection	Wear gloves, made of Polyethylene/Ethylene Vinyl alcohol (PE/EVAL).



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9. PHYSICAL & CHEMICAL PROPERTIES: typical data

Appearance at 20°C	Pink Mobile Liquid (ISO 32) Blue Mobile Liquid (ISO 22)
Odour	Mild
pH	Neutral
Density at 15°C	1.020 – 1.060g/cm ³
Viscosity at 40°C	18 – 35 cSt
Flash Point (ASTM D93)	Greater than 110°C
Auto-ignition temperature	Greater than 370°C
Explosion limits	Not established
Vapour pressure 20°C	<0.1 kpa
Solubility	Soluble in water Insoluble in mineral oil and non-polar solvents

10. STABILITY & REACTIVITY

Hazardous reactions	None Known
Thermal decomposition	Slow decomposition above 250°C

Hazardous decomposition products which can be formed on heating: Carbon monoxide, Carbon dioxide, oxides of nitrogen, sulphur, carbonyl compounds and acetic acid.

11. TOXICOLOGICAL INFORMATION

Eyes	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Skin	Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated Exposure may lead to dermatitis.
Inhalation	At normal ambient temperatures is unlikely to cause inhalation hazard because of low volatility.
Ingestion	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.
Acute Toxicity	The refined synthetic base oils used in this formulation are of low order of toxicity. LD50 oral (RAT) 25g/kg.

12. ECOLOGICAL INFORMATION

Static acute LC 50 for Fathead minnow is 500mg/l.

Static acute LC 50 for daphania magna is 500mg/l.

Biodegradation under static laboratory conditions is high 81 – 90%.

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13. DISPOSAL CONSIDERATION

Seek advice from Local Waste Authority before disposing of product.

Product may be disposed of by burning under controlled conditions or by disposal at an appropriate waste disposal facility.

Under no circumstances should this product be disposed of by putting into drains, soil or water courses. Compliance with Community/National provisions relating to waste must be adhered to when disposing of this product.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport.

U.N. Number:	N/A	Packaging Group:	N/A
Shipping Name:	N/A		
IMO Class:	N/A	Marine pollutant:	No
ADR/RID:	N/A	ICAO/IATA:	N/A

15. REGULATORY INFORMATION

This product is not classified for supply in UK

Statutory Instruments	The Health & Safety at Work Act 1974. Consumer Protection Act. Environmental Protection Act. COSHH Regulations CHIP Regulations.
Guidance	COSHH Essentials and CHIP for Everyone

16. OTHER INFORMATION

R Phases used in section 2

None.

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Change Sections: All sections

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