



1. Identification of the substance/preparation and of the company/undertaking

Product name	Aeroplex AI
SDS #	0000001469
Product use	Grease for industrial applications For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Supplier	BP Southern Africa (Pty) Ltd 10 Junction Road Parktown Johannesburg South Africa
EMERGENCY TELEPHONE NUMBER	+27 11 488 5111

2. Composition/information on ingredients

Synthetic base stock. Proprietary performance additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
n-phenyl-1-naphthylamine	90-30-2	1 - 5	201-983-0	Xn; R20/22 R43 N; R50/53

See section 16 for the full text of the R Phrases declared above

Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

This preparation is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

Physical/chemical hazards	Not classified as dangerous.
Human health hazards	Not classified as dangerous. Based on data available for this or related materials.
Environmental hazards	Unlikely to be harmful to aquatic organisms. Product not classified for environmental effects. Based on data available for this or related materials.
Effects and symptoms	
Eyes	No significant health hazards identified. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Medical Advice' under First-Aid Measures, Section 4 of this Safety Data Sheet.
Skin	No significant health hazards identified.
Inhalation	No significant health hazards identified.
Ingestion	No significant health hazards identified.

4. First aid measures

Eye Contact	In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

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Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

5. Fire-fighting measures

Extinguishing Media

Suitable

Use foam or all-purpose dry chemicals to extinguish. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Not Suitable

Do not use water jet.

Hazardous decomposition products

These products are carbon oxides (CO, CO₂).

Unusual fire/explosion Hazards

None identified.

Protection of fire-fighters

Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental precautions and clean-up methods

If emergency personnel are unavailable, contain spilled material. Place spilled material in an appropriate container for disposal.

See Section 13 for Waste Disposal Information.

Personal protection in case of a large spill

Splash goggles. Full suit. Boots. Gloves.

7. Handling and storage

Handling

Avoid contact of spilled material and runoff with soil and surface waterways. Avoid prolonged or repeated contact with skin.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Occupational Exposure Limits

This product does not have any assigned OELs.

Control Measures

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Respiratory system

None required; however, use of adequate ventilation is good industrial practice.

Skin and body

Avoid prolonged or repeated contact with skin. Wear clothing and footwear that cannot be penetrated by chemicals or oil.

Hands

Wear protective gloves if prolonged or repeated contact is likely. Wear gloves that cannot be penetrated by chemicals or oil.

Eyes

Safety glasses with side shields.

Personal protective equipment (Pictograms)



9. Physical and chemical properties

Flash point

>215 °C (Open cup) Cleveland.

Colour

Brown. (Light.)

Odour

Slight

Physical state

Grease

Density

981 kg/m³ (0.981 g/cm³) at 24°C

Solubility

Insoluble in water.

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10 . Stability and reactivity

Incompatibility with various substances	Reactive with oxidising agents.
Hazardous polymerization	Will not occur.

11 . Toxicological information

Acute toxicity	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. Product not classified for sensitisation. Based on data available for this or related materials. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
Chronic toxicity Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

12 . Ecological information

Persistence/degradability	Inherently biodegradable.
Mobility	Spillages are unlikely to penetrate the soil.
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.
Environmental hazards	Unlikely to be harmful to aquatic organisms. Product not classified for environmental effects. Based on data available for this or related materials.
Other ecological information	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13 . Disposal considerations

Disposal Consideration / Waste information	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Used/contaminated product European Waste Catalogue (EWC)	13 08 99 wastes not otherwise specified However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

14 . Transport information

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

15 . Regulatory information

Label Requirements Risk Phrases EU Regulations	This product is not classified according to the EU regulations. Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.
Other regulations Inventories	AUSTRALIAN INVENTORY (AICS): In compliance. CANADA INVENTORY (DSL): In compliance. CHINA INVENTORY (IECS): In compliance. EC INVENTORY (EINECS/ELINCS): In compliance. JAPAN INVENTORY (ENCS): In compliance. KOREA INVENTORY (ECL): In compliance. PHILIPPINE INVENTORY (PICCS): In compliance.

US INVENTORY (TSCA): In compliance.

Additional warning phrases

Contains (phenothiazine, n-phenyl-1-naphthylamine). May produce an allergic reaction. Safety data sheet available for professional user on request.

National regulations

National regulations

National legislation: Occupational Health and Safety Act (Act 85 of 1993).

16 . Other information

Full text of R phrases referred to in sections 2 and 3

R20/22- Harmful by inhalation and if swallowed.
R43- May cause sensitisation by skin contact.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

History

Date of issue

15/07/2004.

Date of previous issue

No Previous Validation.

Prepared by

Product Stewardship Group

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.