

DURAVAC PRODUCTS LTD

DURALENE 5

Diffusion Pump Fluid

MSDS Health & Safety Information

Rev:07-JAN-2011

1. Contact information

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2. Hazards Identification

This product is not considered harmful to human health, but should always be handled in accordance with good industrial health and safety standards. Specific Hazards: None. Do not swallow. Harmful to aquatic life.

3. Composition / Information On Ingredients.

Composition: Polyphenylether (Pentaphenylether)

4. First Aid Measures

General Advice: None

Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, obtain medical advice.

Skin Contact: Wash off with Soap and Water. Remove grossly contaminated clothing and wash it before re use.

Eye Contact: Rinse with copious amounts of water. In the event of persistent irritation, Consult Doctor.

Ingestion: Rinse mouth. Do not induce vomiting without first seeking medical advice.

Medical Advice: If aspiration occurs, even if it is unlikely, transport casualty immediately to hospital.

5. Fire Fighting Measures

Suitable Extinguishing Media: Foam, Dry powder, Dry chemical. Toxic vapours may be released according to incomplete combustion. Respirators must be worn.

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment and clothing.

Environmental Precautions: Do not discharge or wash product into drainage system. Protect drains from potential spills, use suitable barrier equipment to minimise contamination. Do not discharge or wash product into drainage system. Product will precipitate out in water.

Methods For Cleaning Up: Use suitable absorbent material to absorb oil and dispose in accordance with government and/or state regulations.

7. Handling And Storage

Technical Measures/Precautions: Avoid oil mist, ensure appropriate ventilation.

Safe Handling Advice: Avoid contact with eyes and skin. Change contaminated clothing.

Technical Measures / Storage Conditions: Keep container closed and away from potential heat sources.

Incompatible Products: Do not store together with flammable products or strong oxidising agents.

Packing Material: Glass, Metal or Polythene container.

8. Exposure Controls/ Personal Protection

Engineering measures: Appropriate ventilation only, if oil mist is generated (under normal conditions not encountered).

Personal protection equipment:

Eye protection: Safety glasses, only if risk of splashes.

Hand protection: Impervious gloves, if prolonged contact.

Hygiene measures: Wash hands before breaks and immediately after handling.

9. Physical And Chemical Properties

Form: Liquid, Viscous

Colour: Yellowish

Odour: None

pH: Neutral

Flash Point: > 290 °C

Auto Ignition Temperature: 613 °C

Explosive Properties: On aerosolization or under thermal load: Lower explosion limit in air: 0.2 Vol%. Upper limit in air: 6.0 Vol%.

Relative density: (20 °C) 1.20 g/ml

Solubility: Water Solubility: Insoluble

10. Stability And Reactivity

Stability: Under normal conditions stable.

Materials To Avoid: Contact with strong oxidants.

Hazardous decomposition products: Under incomplete combustion toxic decomposition substances may be generated, e.g. Phenolic compounds and Carbon Monoxide.

11. Toxicological Information

Animal Data:

Acute Toxicity: LD50: Not Determined LC50: Not Determined

Further Information: Excessive exposures may affect human health, as follows:

Eye Contact: Irritation

Skin Contact: Irritation

Inhalation: Under normal conditions unlikely, due to low vapour pressure. May cause irritations, if exposed to vapour (thermal decomposition products).

12. Ecological Information

Mobility: Product may penetrate the soil and cause contamination of ground water.

Aquatic Toxicity: Spills will add to water sediments possibly causing physical damage to organisms. Oxygen transfer could also be impaired.

Persistence And Degradability: Not known

Bioaccumulative Potential: Not known

13. Disposal Considerations

Waste From Residues / Unused Products: According to local government and/ or state waste regulations. (By controlled incineration). Most states have regulations forbidding disposal of waste into marine or sewerage environments.

Contaminated Packaging: Dispose of product and container carefully and responsibly.

14. Transport Information

This product is classified as non Hazardous in respect to Transport by Land, Sea, Air. (ADR, RID, UN, IATA/ICAO, IMO).

15. Regulatory Information

Not classified as hazardous for supply. The product is a preparation, included components are listed substances.

16. Other Information

This data sheet should be passed to the person responsible in those departments within your company, where products are used or stored. Duravac Products Limited strives to provide information which is as error free as possible and in good faith. Customers are advised to conduct adequate research and ensure that their local health and safety (MSDS) requirements are met before use.