



Material Data Safety Sheet DF-50 Diffusion Fluid

1. Identification of the Chemical

Product: White mineral oil, CAS Number 8042-47-5, EINECS Number 232-455-8.

2. Name & Address of the Supplier in Europe:

ABC Production
Unit 4 Stirling Way
Borehamwood
Herts.
WD62BT

Telephone: +44 (0)20 8905 1831

Fax: +44 (0)20 8905 1830

E-mail: phil@abcgb.com

Internet: www.abcgb.com

3. Identification of Any Dangers: Inhaled: Acute exposure may result in bronchial irritation. Absorbed through skin: Chronic exposure may cause contact or eczematous dermatitis Swallowed: May cause diarrhoea

4. Description of First Aid Treatment to be Given in Case of Emergency:

Eye contact: Wash eyes with large amounts of water/saline solution occasionally lifting upper & lower eyelids until evidence of chemical is clear. Skin contact: Wash with soap & water. Inhaled: Remove to fresh air. Swallowed: No specific antidote. Treat symptomatically and supportively.

5. Fire Precautions: Flash point: Greater than 193 degrees Centigrade (closed cup) Fire extinguishing: Dry chemical, waterfog, CO₂, foam or sand/earth. Closed containers exposed to fire may be cooled with water.

6. Measures to be Taken in Case of Spillage: Shut off leak and dyke up large spills. Absorb with an inert material such as sand, earth or vermiculite. Sweep up and dispose of in accordance with local regulations.

7. Precautions to be Taken in Storage & Handling: Keep away from heat & flames. Do not store near strong oxidising agents such as hydrogen peroxide, bromide and chromic acid. The maximum storage temperature is 66 degrees Centigrade.

8. Precautions for Workers to Follow when Handling: Respiratory protection: Under normal use none. When concentrations are above

5mg per cubic meter an approved air respirator. Protective clothing: Wear oil impervious clothing. Avoid wearing clothing soaked with mineral oil. Wear appropriate protective gloves to avoid skin contact. Always wear splash proof goggles when dealing with spills. Ventilation: Always ensure adequate ventilation to meet permissible exposure limits (PEL)

9. Physical & Chemical Properties Formula: A mixture of liquid hydrocarbons refined from petroleum. Chemical name: White Mineral Oil Toxic or hazardous ingredients: None Odour, appearance, colour & form: An odourless clear viscous liquid. Specific gravity: 0.83 to 0.90 (water = 1.0) Vapour Pressure: In mmHg @ 20 degrees Centigrade - Less than 0.55mm Boiling Point: 360 degrees Centigrade Melting Point: Not applicable. Does not melt down under heat. Evaporation rate: Nil @ 25 degrees Centigrade. (Butyl acetate = 1.0)

10. Stability & Reactivity: Keep away from strong oxidisers such as hydrogen peroxide, bromide and chromic acid.

11. Toxicological Information: Non toxic.

12. Ecological Information: No data available. As the substance is not soluble in water do not flush into water or waste system.

13. Information Concerning Disposal of Waste Product: Dispose of in accordance with all local regulations.

14. Information Concerning Transport of Product: Department of Transport: Non regulated. Reportable quantity: None Freight classification: 65 Petroleum Oil Special transportation notes: None

15. Information Regarding Conformity to Relevant Regulations: No data available for Europe. The fluid meets the requirements of the US Food & Drug Administration CFR 172.878 The fluid is not suspected to be a cancer agent.