

Materials information

FERROFLUID, 06-0778

This information is a summary of the Manufacturer's Safety Data Sheet.

This material is potentially very messy and will stain clothing etc. Do not attempt to dispense it through a small aperture (e.g., syringe nozzle) since it will tend to clog. It is advisable to wear goggles and protective clothing when handling ferrofluid.

Product information

Ferrofluid is a colloidal dispersion of magnetite in an oil-based carrier.

Composition:

Magnetite	3-15% by volume
Oil Soluble Dispersant	6-30% by volume
Carrier liquid	55-91% by volume

S.G.	0.92 to 1.47
Flash point	160°F
Not soluble in water	

Safety information

Use general precautions when handling chemicals.

Wear protection to avoid skin/eye contact and contact with cloth (it stains fabrics).

No special ventilation required (unless smoke or mist is produced).

Prolonged or repeated contact with skin or eye contact may cause irritation. Inhalation of mist or vapour at high temperatures may irritate respiratory passages.

Extinguishing media: CO₂, foam, dry chemical, water spray.

First aid procedures

Skin contact: wash with soap and water.

Eye contact: Flush with water and seek medical attention if necessary.

If spilt, remove with powder absorbent (e.g. sand, sawdust). Wipe up residue with soapy water to prevent slipping on surface.

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