

Inspection sheet Ferrofluid tweeter, Good Hifi VOF, 03-04-2024

Product name: Magnetic Fluid / Ferrofluid for speaker

Model no : MMF-B210

Standard: 200 Gauss / 1000cP

Specifications, measured:

Viscosity standard (27 °C): cP 1000 ± 10%. Measured: 1080.

Magnetization (VCM) standard: Gauss 200 ± 10%. Measured: Measured: 215.

Safety data sheet, publication date January 1, 2024

1. Product and manufacturer

Product name and model number: Magnetic Fluid / MMF-B210

Manufacturer information: Company name: . Magron CO, LTD.

Address: #506 BI Center, Hanyang University, 55 (Sa-dong), Hanyangdaehak-ro , Sangnok-gu , Ansan -si, Gyeonggi -do, KOREA

2. Possible hazards

Adverse effects on human health:

May irritate the eyes, respiratory tract and skin.

Physical and Chemical Hazards: Flammable, keep away from fire.

Specific risks: No data.

GHS category: NA

Use: Avoid inhaling vapors.

Precautionary measures:

Use protective gloves, safety glasses and face shields. Read safety data sheet carefully before use.

Measures:

Inhalation: Go to a room with clean air and rest in a comfortable position.

Skin contact: wash with plenty of soap and water.

Eye contact: wash thoroughly with water for at least 15 minutes.

Ingestion: rinse mouth with water and drink a glass of water or milk.

Seek medical attention in the following cases:

Eye contact, ingestion, skin irritation, nausea and other physical symptoms.

3. Composition / information about ingredients

Substance / mixture: Mixture

Chemistry: hydrocarbon magnetite & iron oxide

CAS number 64742-53-6 & 1309-38-2

Concentration: 60 ~ 80 & 20 ~ 40

Chemical structure: C4H9 & Fe3O4

4. First aid

Inhalation: Move the victim to an area with fresh air and leave the victim rest in a comfortable position.

Skin contact: Wash with plenty of soap and water.

Eye contact: Flush with plenty of clean water for 15 minutes and seek medical advice if necessary.

Ingestion: Rinse mouth well for five minutes and drink a glass of water or milk. If the victim is unconscious, do not give anything to drink.

5. Fire-fighting measures

Extinguishing media: Powder, foam, carbon dioxide. Do not extinguish with water.

6. Measures in case of accidental release

Precautions for use: Use in a well-ventilated area. Usage protection for inhalation and use other protection if necessary.

Environmental precautions: Prevent liquid from entering drains.

Cleaning: Small quantities: absorb the released liquid with a piece of paper, sand or sawdust and wipe your worktop clean. If necessary, clean afterwards with soap and water.

7. Handling, Storage and Air Freight

Use: Work in an area with adequate ventilation.

Use gloves/goggles.

Keep away from fire, the liquid is flammable above 240 degrees Celsius.

Wash hands and face after use, rinse mouth if necessary.

Storage: Store in a cool, well-ventilated area.

Avoid direct sunlight and rain.

Stay away from fire.

Air freight: Magnetic flux density is so low that no additional packaging is required.

8. Physical and chemical properties

Physical state, color: Liquid, black

Odor: Slight characteristic odor

Fire point: more than 240 degrees Celsius (COC)

Auto-ignition at: 285 degrees Celsius

Specific gravity at 27 degrees Celsius: 1.04 ~ 1.5

Solubility: Water - Insoluble, Ethanol - Partially soluble.

9. Stability and reactivity

Stability: Stable under normal conditions

Reactivity: Non-reactive

Possibility of hazardous reactions: No data

10. Toxicological information:

Acute toxicity: No data

11. Environmental information

Not available.

12. Disposal/waste processing

Dispose of the remaining liquid as waste according to local legislation.

13. Legally required information

Fire Department ACT: Hazardous substance 4-4, petroleum, class III

IMO/ICAO: Not classified

IATA: Not classified

14. Other

The information in this document is based on various references and represents the current state of our knowledge. The above information applies to normal small-scale use, where the ferrofluid is applied in small amounts to loudspeakers.