



1. Identification of substance:

Trade name: Magnet-Particle-Suspension fluorescence (oil based)

Article number: MPS - F2

Manufacturer/Supplier

Helmut Klumpf

Technische Chemie KG

Industriestr. 15

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Advice:

Helmut Klumpf, Techn. Chemie KG, H. Klumpf

Emergency advice:

As stated above or next emergency phone

2. Hazards identification

Hazards designation:

F+ Extremely flammable

Information pertaining to particular dangers for man and environment:

R 12 Extremely flammable.

3. Composition/information on ingredients

Chemical characterization (preparation):

Description: Suspension with Magnetic-particle with Triglyceride

Hazardous ingredients:

CAS-No.	Name of chemical	EINECS-number	EWG-no.	weight %	Symbols	R-phrases
106-97-8	N-Butane	203-448-7	601-004-00-0	10 - 20	F+	12
74-98-6	Propane	200-827-9	601-003-00-5	10 - 20	F+	12

4. First aid measures

General information:

After inhalation:

Ensure supply of fresh air.

In the event of symptoms refer for medical treatment.

After skin contact:

In case of contact with skin wash off with water.

After eye contact:

In case of contact with eyes rinse thoroughly with water.

After swallowing

Do not induce vomiting; instantly call for medical help. Instantly call for doctor

5. Fire fighting measures

Suitable extinguishing material:

ABC powder, alcohol-resistant foam, carbon dioxide.

Extinguishing material that must not be used for safety reasons:

Full water jet.

Special exposure hazards extinguishing from the substance or preparation itself, combustible products or resulting gases:

None

Special protective equipment for fire fighters:

None

DIFFU - THERM[®] Magnetic-Particle-Suspension MPS - F2 (Aerosol)
Additional information's:

Cool containers at risk with water spray jet.
 Danger for bursting of aerosols when heated for more than 50°C.
 Aerosols that burst in fire can be mightily shot away.

6. Accidental release measures**Personal precautions:**

Ensure adequate ventilation.
 Keep away sources of ignition.

Environmental precautions:

Do not discharge into the subsoil/soil.
 Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up:

Take up with absorbent material
 (e.g. sand, sawdust, kieselguhr, general-purpose binder).

7. Handling and storage**Handling:****Advice on safe handling:**

Provide good room ventilation even at ground level (vapours are heavier than air).

Advice on protection against fire and explosion:

Keep away from sources of ignition.
 Do not smoke.
 Take precautionary measures against static discharges.

Storage:**Requirements for storage rooms and vessels:**

Filled aerosols must not be exposed to:

1. Heating of more than 50°C by sun beams or other heat sources.
2. Storage in gates, passages, wells of staircases, buildings, floors, and lofts.

Keep container in a well-ventilated place.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container in a well-ventilated place.

Classification acc. to prescription:

Aerosols (Aerosol containers) (TRG 300)

8. Exposure controls/personal protection**Additional advice on system design:**

No other information's, see point 7.

Ingredients with occupational exposure limits to be monitored:

CAS - NR.	Name of chemical	%	Code	Value	Unit	peak limited category
106-97-8	butane	10 - 20	MAK	1000 (2350)	ml/m ³ (mg/m ³)	
74-98-6	propane	10 - 20	MAK	1000 (1800)	ml/m ³ (mg/m ³)	

Additional information's:

None

Personal protection equipment:**Respiratory protection:**

If ventilation insufficient, wear respiratory protection apparatus.

Hand protection:

Gloves (solvent-resistant)



General information's:

Do not discharge product unmonitored into the environment.

13. Disposal considerations

Product:

Recommendations:

Hand over to authorized disposal agency.

Waste code No.:

EAV: 14 06 03 term: Mixture of solvent

Contaminated packaging:

Recommendations:

Container must be completely emptied and must not be opened by force.

Hand over to authorized disposal agency.

Waste code No.:

EAV: 15 01 10 term: Iron-metal containers with a contaminated rest of the contents

14. Transport information

Land transport ADR/RID

UN-Nr.: 1950 Identification: DRUCKGASPACKUNGEN

Class: 2 Package Group: --

Classifications code: 5 F shipment category: 2

Labelling of the Package: UN 1950 AEROSOLE Label-no.: 2.1

Packing instruction: P 204, MP 9 Max.. gross/Package: 50 kg

Limited of volume: LQ 2 Exemption after chapter 3.4.3: Package ≤ 30 kg
Labelling of the Package: diamond (100 x 100 mm) with UN 1950.

Marine transport IMDG/GGVSee

UN-No.: 1950 Class: 2 Package Group: --

EMS-No.: F-D, S-U Label-no.: -- Marine Pollutant: -- Label: --

Proper Shipping Name: Aerosols (Limited Quantities Only) (Package ≤ 30 kg)

Air transport ICAO-TI and IATA-DGR

Class/Division: 2.1 UN/ID-Nr.: 1950

Package Group: --, Label: 2.1

Packing inst. Passenger aircraft: 203/Y203 Max. netto/Package: 75 kg/30 kg

Packing inst. Cargo aircraft: 203 Max. netto/Package: 150 kg

Proper Shipping Name: Aerosols, flammable

15. Regulatory information

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).

Code letter and hazard designation for product:

F+ Extremely flammable

Risk - phrases:

12 Extremely flammable.

Safety - phrases:

16 Keep away from sources of ignition - No smoking.

23 Do not breathe vapour/spray.

33 Take precautionary measures against static discharges.

51 Use only in well-ventilated areas.



Special labelling:

Container is under pressure. Protect from sun and temperatures above 50°C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

Keep away from sources of ignition - No smoking. Keep out of reach of children.

Use only in well ventilated areas.

Water hazard class:

Not a water-endangering product.

(German VwVwS of May 17, 1999 Appendix 1/2)

16. Other information

Restriction of occupation:

Observe employment restrictions for young people.

Recommended uses:

As Magnetic-Particle-Suspension at the Magnetic particle inspection by acc. to EN ISO 9934-1 (DIN 54 132) for finding surface cracks.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
