

## MPF

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** MPF  
**SDS Number:** MPF  
**Revision Date:** 6/14/2022  
**Product Use:** NDT inspection magnetic particle

**Supplier Details:** Sherwin Inc.  
5530 Borwick Avenue  
South Gate, CA 90280

**Phone:** 562-861-6324  
**Email:** sherwin@sherwininc.com  
**Internet:** www.sherwininc.com

**Emergency telephone number:**

ChemTel 1-800-255-3924 in U.S.A, Canada, Puerto Rico and US Virgin Islands;  
ChemTel +1-813-248-0585 outside U.S.A, Canada, Puerto Rico and US Virgin Islands  
ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 800-099-0731

### 2 HAZARDS IDENTIFICATION

**Classification of Substance**

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**  
Health, Aspiration hazard, 1

**GHS Label Elements, Including Precautionary Statements**

**GHS Signal Word:** **DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H304 - May be fatal if swallowed and enters airways

**GHS Precautionary Statements:**

P264 - Wash ... thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310 - IF SWALLOWED: Immediately call a doctor  
P331 - Do NOT induce vomiting.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Ingredients:
	% Chemical Name:
64742-47-8	80-100% Distillates (petroleum), hydrotreated light

**Component information**

The product contains no other substances which at their given concentration, are considered to be hazardous to health.

### 4 FIRST AID MEASURES

**Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.



## MPF

**Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor  
**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get medical attention, if irritation persists.  
**Ingestion:** If swallowed, call a poison control centre or doctor immediately. Keep respiratory tract clear. Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** > 93 °C (> 200 °F)  
**Flash Point Method:** ASTM D-93  
**Autoignition Temp:** Not determined  
**Lower Explosive Limit:** Not determined  
**UEL:** Not determined  
**Suitable extinguishing agents:** Water haze, Foam, ABC powder

**Special hazards arising from the substance or mixture:** Carbon monoxide, carbon dioxide and phosphorous oxide

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit

**Unsuitable extinguishing media:** High volume water jet

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

**Environmental precautions:** Do not allow to enter storm sewers/ surface or ground water.

**Methods and material for containment and cleaning up:** Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation..Place in a chemical waste container.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Consider normal working hygiene.  
**Storage Requirements:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use mechanical (general) ventilation for storage areas.

**Personal Protective Equipment:** Chemical resistant gloves;  
Chemical safety glasses;  
No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters;  
Impervious clothing.

**Exposure Limits:** Contains no substances with occupational exposure limits. The following manufacturer's internal standard would apply: 100ppm (525 mg/m<sup>3</sup>) for 8-hour TWA (exposure limit for petroleum distillate - standard solvent)



## MPF

Engineering controls:	Eyewash stations Showers Ventilation systems
Respiratory protection:	No protective equipment is needed under normal use conditions. If case of mist, spray or aerosol exposure, wear suitable personal respiratory protection and equipment. Use Niosh approved respiraory protection.
Eyes:	Wear as appropriate, glasses, goggles, face-shield.
Skin:	Wear suitable protective clothing as appropriate.



General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with eyes and skin.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance:</b>	Clear liquid	<b>Odor:</b>	Hydrocarbons
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Not soluble in water
<b>Spec Grav./Density:</b>	0.81, liquid	<b>Flash Point:</b>	> 93 °C (> 199 °F) (ASTM D-93)
<b>Viscosity:</b>	Kinematic at 37.8 °C (100 °F): 2.7 cSts (ASTM D455), liquid	<b>Vapor Density:</b>	6.8, liquid
<b>Boiling Point:</b>	240 °C (464 °F)	<b>Auto-Ignition Temp:</b>	No data available
<b>Vapor Pressure:</b>	< 0.1 mmHg @ 20 °C (68 °F)	<b>UFL/LFL:</b>	No data available
<b>pH:</b>	Not applicable		
<b>Evaporation Rate:</b>	Not determined		

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Reactivity:** No dangerous reaction under normal use.



## MPF

<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Elevated temperatures
<b>Identification:</b>	
<b>Materials to Avoid:</b>	Strong Acids; Strong Bases Strong Oxidizing Agents.
<b>Hazardous Decomposition:</b>	No dangerous decomposition products known
<b>Hazardous Polymerization:</b>	Will not occur.

## 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Inhalation:** LC50: >0.5 mg/l  
LC/50 (Rat) (1 hour): >24.1 mg/l  
**Oral:** LC50 Rat: > 5000 mg/kg

**Skin corrosion/irritation:** Primary irritant.

**Serious eye damage/irritation:** Primary irritant.

**Skin sensitization:** No data available

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure: No data available  
STOT - repeated exposure: No data available

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Not toxic to aquatic organisms up to the substances water solubility.

### Persistence and degradability

Liquid: Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

## 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations

Empty containers may retain product residue ( liquid and/or vapor) and can be dangerous.



## MPF

### 14 TRANSPORT INFORMATION

DOT, IATA, IMDG

Not regulated

### 15 REGULATORY INFORMATION

**Toxic Substances Control Act, TSCA:** All components listed

**SARA 302:** No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

**SARA 304 Emergency release notification:** Not regulated.

**SARA 311/312 Reportable GHS Hazards:** Aspiration hazard

**SARA 313:** This product does not contain a chemical listed at or above de minimis concentration

**CERCLA Reportable Quantity:** None

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

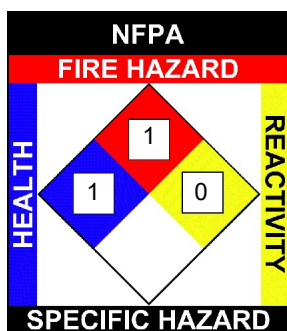
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.

**Safe Drinking Water Act** Not regulated.

**Waste Classification:** This product does not meet RCRA's characteristic definition of ignitibility, corrosivity, or reactivity and is not a listed waste nor listed in 40CFR 261.33

### 16 OTHER INFORMATION

**NFPA:** Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = n/a



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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