

# PREMIUM FACTORY

The consumables for Professional in Special Effects

## MSDS FIRE FLUID – PREMIUM FLUIDS

Issue Date: July 5th, 2018

### MATERIAL SAFETY DATA SHEET

#### SECTION 1: Identification of the substance / mixture and of the company / undertaking

##### 1.1. Product Identifier

**Product name:** FIRE FLUID YELLOW – PREMIUM FLUIDS

**Chemical product name:** Isoparafinic - Hydrocarbons C11-C13 isoalkanes - Distillates Hydrotreated light

**Synonyms:** None

**Proper shipping name:** None

**Chemical formula:** No data available

**Other means of identification:** No data available

**Index number:** No data available

**ID number:** No data available

**CAS number:** 64742-48-9

**REACH registration number:** 01-2119456810-40-XXXX

**EC number:** 920-901-0

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Used as fire liquid in such machines.

**Uses advised against:** Any other use than originally intended.

##### 1.3. Details of the supplier of the safety data sheet

**Registered company name:** PREMIUM FACTORY SAS

**Address:** 1 ROUTE NEUVE, F-71710 MONTCENIS - FRANCE

**Telephone:** +33(0) 608 630 452

**Fax:** +33(0) 972 656 812

**Email:** info@premiumfactory.fr

##### 1.4. Emergency telephone number

**Other emergency telephone numbers:**

ORFILA (France) +33(0)1 45 42 59 59

UK :+44(0)2087628322

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**DSD classification:** R65 R66

**DPD classification:** Xn

**CLP classification:** H304 P101 P102 P301 310 331 P501 EUH066

##### 2.2. Label elements

###### CLP label elements

**Signal word:** Avoid breathing dust gas mist aerosol vapors. Wear protective clothing protective gloves a facial eye protection equipment

**Hazard statement(s):** May be fatal if swallowed and enters airways

**Precautionary statement(s):** Ingestion: rinse mouth. Do not induce vomiting

###### DSD / DPD label elements

**Indication(s) of danger:** Cf. Section 2

**Safety advice:** Cf. Section 2

##### 2.3. Other hazards

None

**PBT/vPvB criteria** No data available

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## SECTION 3: Composition / information on ingredients

### 3.1. Substances

The product contains non classified mineral oil and de-mineralized water in various proportions.

### 3.2. Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Commercial Name Chemical Name	Classification according to Directive 1999/45/EC [DPD]	Classification according to (EC) No 1272/2008 [CLP]
1. 64742-48-9 2. 920-901-0 3. 4.		FIRE FLUID YELLOW Hydrocarbons, C11-C13, isoalkanes Distillates, Hydrotreated light	Xn R65 R66	GHS08 Dgr Asp. Tox. 1, H304 EUH:066

This preparation doesn't contains substances classified as dangerous for the human health or the environment, substance with PBT or vPvB criteria or substance with occupational exposures limits.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General:**

No data available

**Ingestion:**

Do not induce vomiting. Consult a doctor immediately.

**Eye Contact:**

Promptly wash eyes with lots of water. Consult a physician if irritation persists.

**Skin Contact:**

Remove contaminated clothing. Rinse immediately with plenty of water. Consult a physician if irritation persists.

**Inhalation:**

Remove immediately to the source of exposure fees. Consult a physician if symptoms persist.

### 4.2. Most important symptoms and effects, both acute and delayed

**Inhaled:** No data available

**Ingestion:** No data available

**Skin Contact:** No data available

**Eye:** No data available

**Chronic:** No data available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

In case of fire use foam, carbon dioxide or dry powder. In case of fire do not use water jet as it spread the fire.

### 5.2. Special hazards arising from the substrate or mixture

**Fire Incompatibility:** None known

### 5.3. Advice for firefighters

**Fire Fighting:** Use water spray to cool containers. Avoid the water out of sewers and water sources. Establish a dam to hold the water.

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**Fire/Explosion Hazard:** The vapors are heavier than air and may travel along the ground to ignition source. Peuevent solvent vapor form explosive mixtures with air.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal Protective Equipment:

Glasses:	Gloves:	Respirator
Chemical goggles.	When handling larger quantities:	Filter type A

**Minor Spills:** No data available

**Major Spills:** No data available

### 6.2. Environmental precautions

Immediately notified the National Authority on the Environmental Agency or other competent authority for spills or emissions into water systems

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the MSDS

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Safe handling

Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials.

**Fire and explosion protection** See section 5

**Other information** Data not available

### 7.2. Conditions for safe storage, including any incompatibilities

#### Suitable container:

Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

#### Storage incompatibility:

Avoid contamination of water, foodstuffs, feed or seed. None known

**Package Material Incompatibilities:** No data available

### 7.3. Specific end use(s)

See section 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits (OEL)

This preparation doesn't contain substance with occupational exposure limits.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

#### 8.2.2. Personal protection

##### Eye and face protection:

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It is recommended to wear protective goggles and a face mask.

**Skin protection:**

Wear appropriate clothing to prevent skin contact.

**Hand protection:**

PVC gloves are recommended. Finding the most suitable glove in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Body protection:**

See Other protection: below

**Other protection:**

No special equipment needed when handling small quantities. **OTHERWISE:**Overalls. Barrier cream. Eyewash unit.

**Respiratory protection:**

If ventilation is inadequate respiratory protection must be provided. Chemical respirator with organic vapor cartridge for.

**Thermal hazards:**

No data available

**Recommended material(s):**

Not applicable

## 8.2.3. Environmental exposure controls

See section 12

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid without color
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>Taste</b>	No data available
<b>pH (1% solution)</b>	No data available
<b>pH (as supplied)</b>	Neutral
<b>Melting point / freezing point (°C)</b>	0
<b>Initial boiling point and boiling range (°C)</b>	185-194
<b>Flash point</b>	144°F / 62°C
<b>Evaporation rate</b>	No data available
<b>Flammability</b>	No data available
<b>Vapour pressure (kPa)</b>	< 1mBar at 40°C
<b>Vapour density (Air = 1)</b>	No data available
<b>Relative density (Water = 1)</b>	No data available
<b>Solubility in Water (g/L)</b>	Miscible
<b>Partition coefficient: n-octanol / water</b>	No data available
<b>Auto-ignition temperature (°C)</b>	>230
<b>Critical temperature (°C)</b>	No data available
<b>Viscosity (cSt)</b>	1.2 cSt@40°C
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Physical state</b>	Liquid
<b>Upper Explosive Limit (%)</b>	6.5
<b>Lower Explosive Limit (%)</b>	0.6
<b>Surface Tension</b>	No data available
<b>Volatile Component (%vol)</b>	No data available
<b>Gas group</b>	No data available
<b>Molecular weight (g/mol)</b>	No data available

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Evaporation Rate (BuAc = 1 | EtAc = 1 | Ether = 1) No data available

IUCLID Remarks No data available

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

- 10.1. **Reactivity** No data available
- 10.2. **Chemical stability** Product is considered stable and hazardous polymerisation will not occur.
- 10.3. **Possibility of hazardous reaction** : No data available
- 10.4. **Conditions to avoid** Flames and warming conditions and other flaming sources.
- 10.5. **Incompatible materials** Strong oxydant and strong acide.
- 10.6. **Hazardous decomposition products** Hazardous decomposition products Thermal decomposition or a prescribed fire may liberate carbon oxides and other toxic gases or vapors. Hydrocarbons. Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- Mutagenicity:** No data available
- Reproductive Toxicity:** No data available
- Carcinogenicity:** No data available
- STOT - single exposure:** No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

- Fish:** CL 50 96 h >100mg/l
- Daphnia Magna:** No data available
- Algae:** No data available
  
- Toxic to aquatic micro-organisms:** No data available

### 12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
FIRE FLUID YELLOW	Moderated	No Data Available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	No data available	No data available	No data available
PBT and vPvB Criteria fulfilled?	No data available	No data available	No data available

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste is classified as hazardous waste. Dispose of in an authorized landfill in accordance with local regulations for waste disposal.

## SECTION 14: Transport information

Labels Required: No

### Land transport (ADR / RID / GGVSE)

14.1. UN number	No	14.4. Packing group	No
14.2. UN proper shipping name	No	14.5. Environmental hazard	No

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<b>14.3. Transport hazard class(es)</b>	No	<b>14.6. Special precautions for user</b>	Hazard identification (Kemler) No Classification Code No Hazard Label No Special provisions No Add limited quantity No
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## Air transport (ICAO-IATA / DGR)

<b>14.1. UN number</b>	No	<b>14.4. Packing group</b>	No
<b>14.2. UN proper shipping name</b>	No	<b>14.5. Environmental hazard</b>	No
<b>14.3. Transport hazard class(es)</b>	ICAO/IATA Class: No ICAO/IATA Subrisk: No ERG Code No	<b>14.6. Special precautions for user</b>	Special provisions No Cargo Only Packing Instructions No Cargo Only Maximum Qty / Pack No Passenger and Cargo Packing Instructions No Passenger and Cargo Maximum Qty / Pack No Passenger and Cargo Limited Quantity Packing Instructions No Passenger and Cargo Maximum Qty / Pack No

## Sea transport (IMDG-Code / GGVSee)

<b>14.1. UN number</b>	No	<b>14.4. Packing group</b>	No
<b>14.2. UN proper shipping name</b>	No	<b>14.5. Environmental hazard</b>	No
<b>14.3. Transport hazard class(es)</b>	No <b>IMDG Subrisk No</b>	<b>14.6. Special precautions for user</b>	EMS Number No Special provisions No Limited Quantities No

## Inland waterways transport (ADNR / River Rhine)

<b>14.1. UN number</b>	No	<b>14.4. Packing group</b>	No
<b>14.2. UN proper shipping name</b>	No	<b>14.5. Environmental hazard</b>	No
<b>14.3. Transport hazard class(es)</b>	No <b>ADNR Label No</b>	<b>14.6. Special precautions for user</b>	Classification code No Limited quantity No Equipment required No

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			Fire cones number No
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## 14.7. Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

No data available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

No data for FIRE FLUID

This safety data sheet is in compliance with the following EU legislation and its adaptations – as far as applicable - : 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation (EU) No 453/2010, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, and their amendments as well as the following British legislation:

- The Control of Substances Hazardous to Health Regulations (COSHH) 2002

- COSHH Essentials

- The Management of Health and Safety at Work Regulations 1999

### 15.2. Chemical safety assessment

No data available

#### Annex VI

According to CLP no hazard category has been assigned

#### RISK

None under normal operating conditions

## SECTION 16: Other information

### OTHER

This Material Safety Data Sheet in conforming to Regulations (EC) No 1907/2006, (EC) No 1272/2008 and their amendments deletes and replaces MSDS issued on June 01<sup>st</sup> 2010.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 16 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

This Material Safety Data Sheet in conforming to Regulations (EC) No 1907/2006, (EC) No 1272/2008 and their amendments deletes and replaces MSDS issued on July 11<sup>th</sup>, 2011.

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